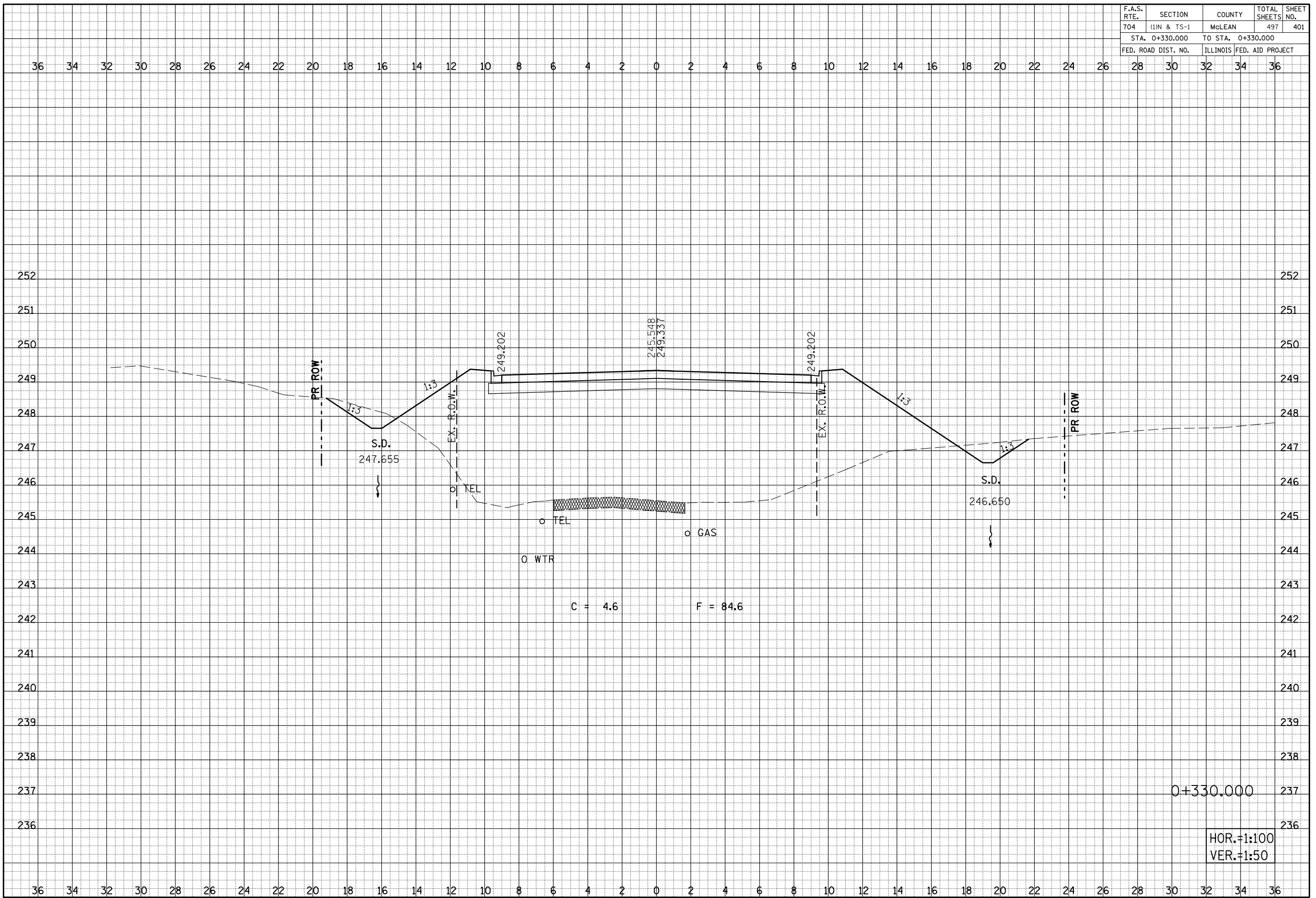


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1N & TS-1)	MCLEAN	497	401
STA. 0+330.000		TO STA. 0+330.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	

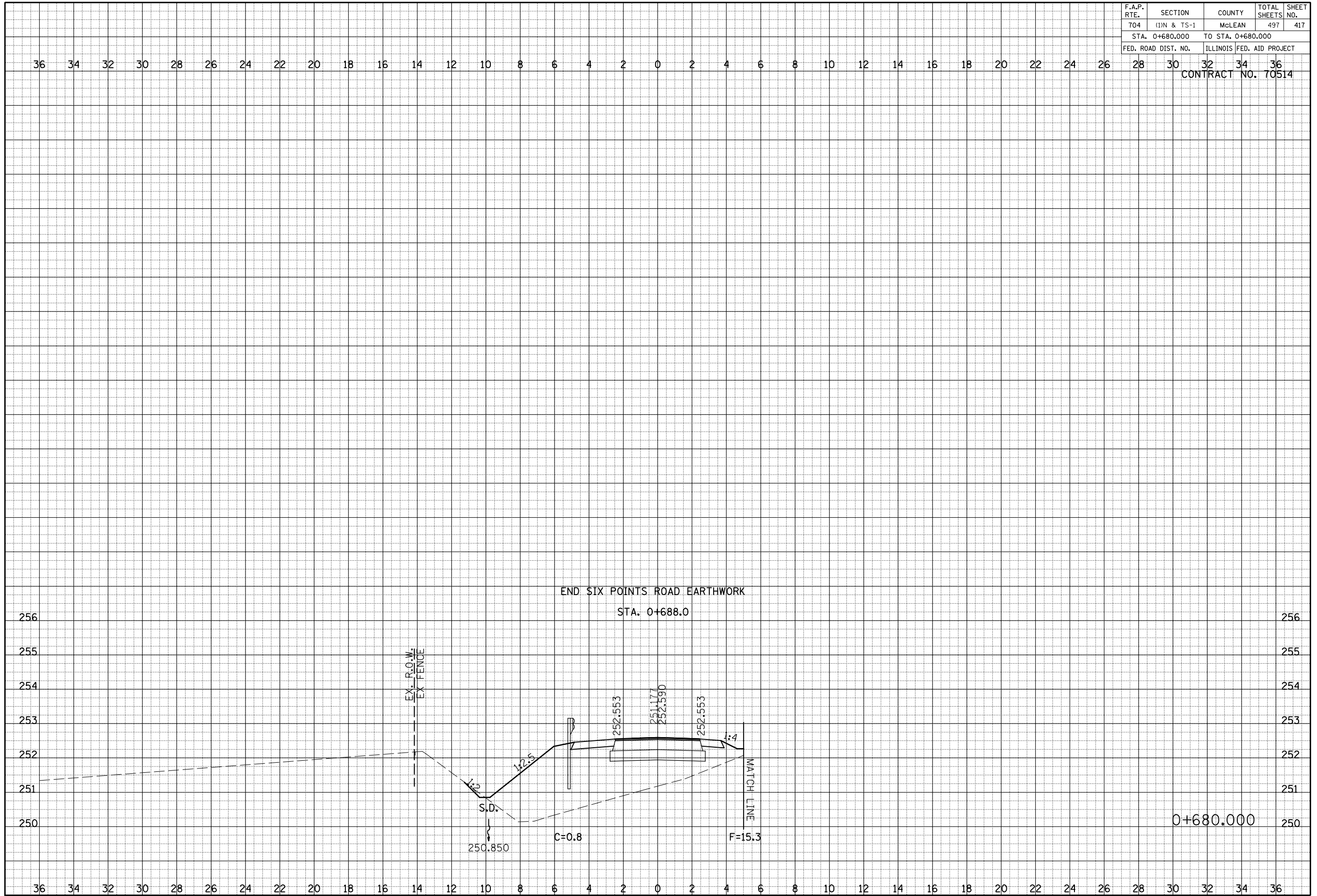
SIX POINTS ROAD CROSS SECTIONS, STA. 0+330.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	417
STA. 0+680.000 TO STA. 0+680.000				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 70514

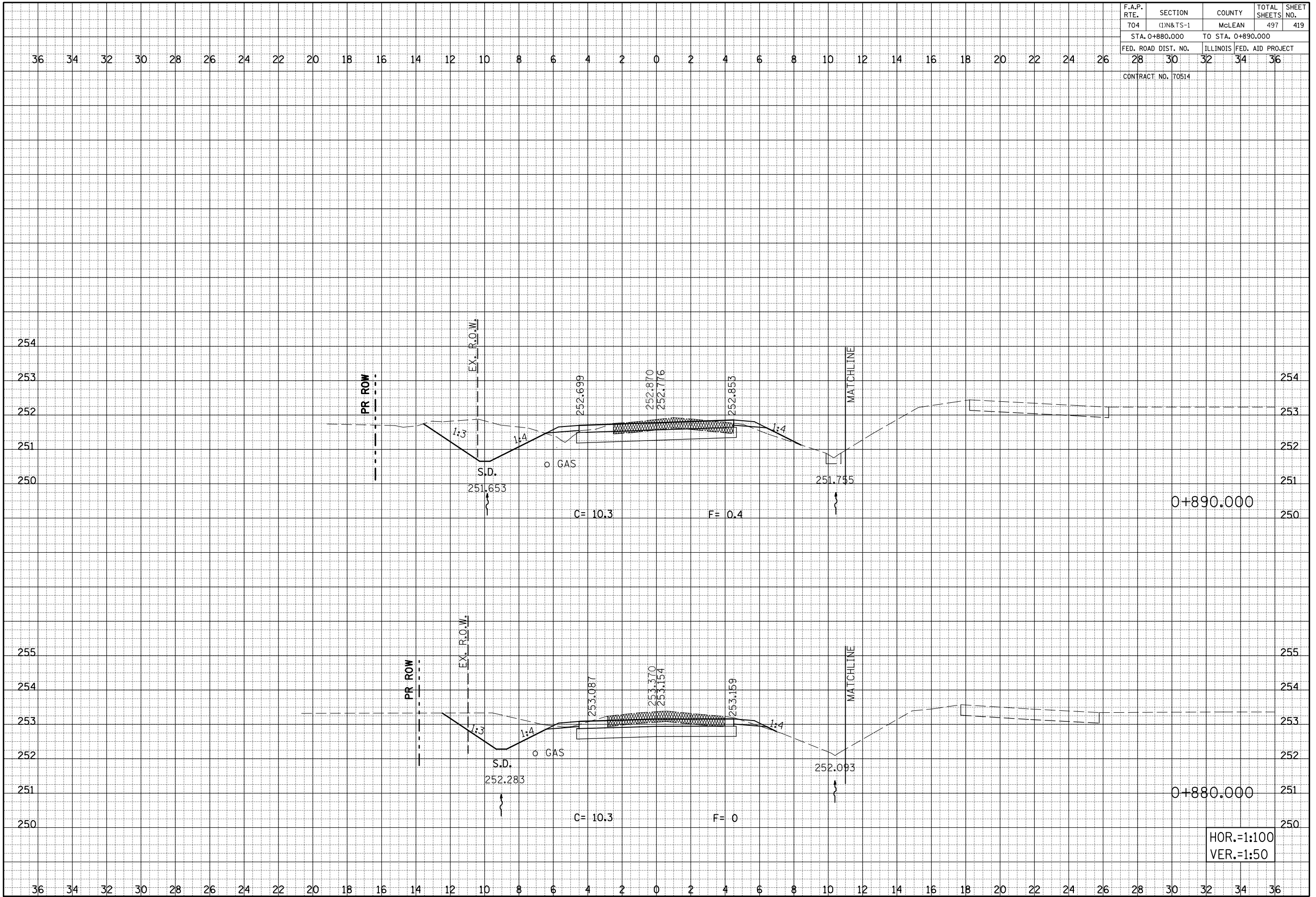
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS	BY	DATE



SIX POINTS ROAD CROSS SECTIONS STA. 0+680.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	419
STA. 0+880.000 TO STA. 0+890.000				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
28	30	32	34	36
CONTRACT NO. 70514				



BY	DATE
FINL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

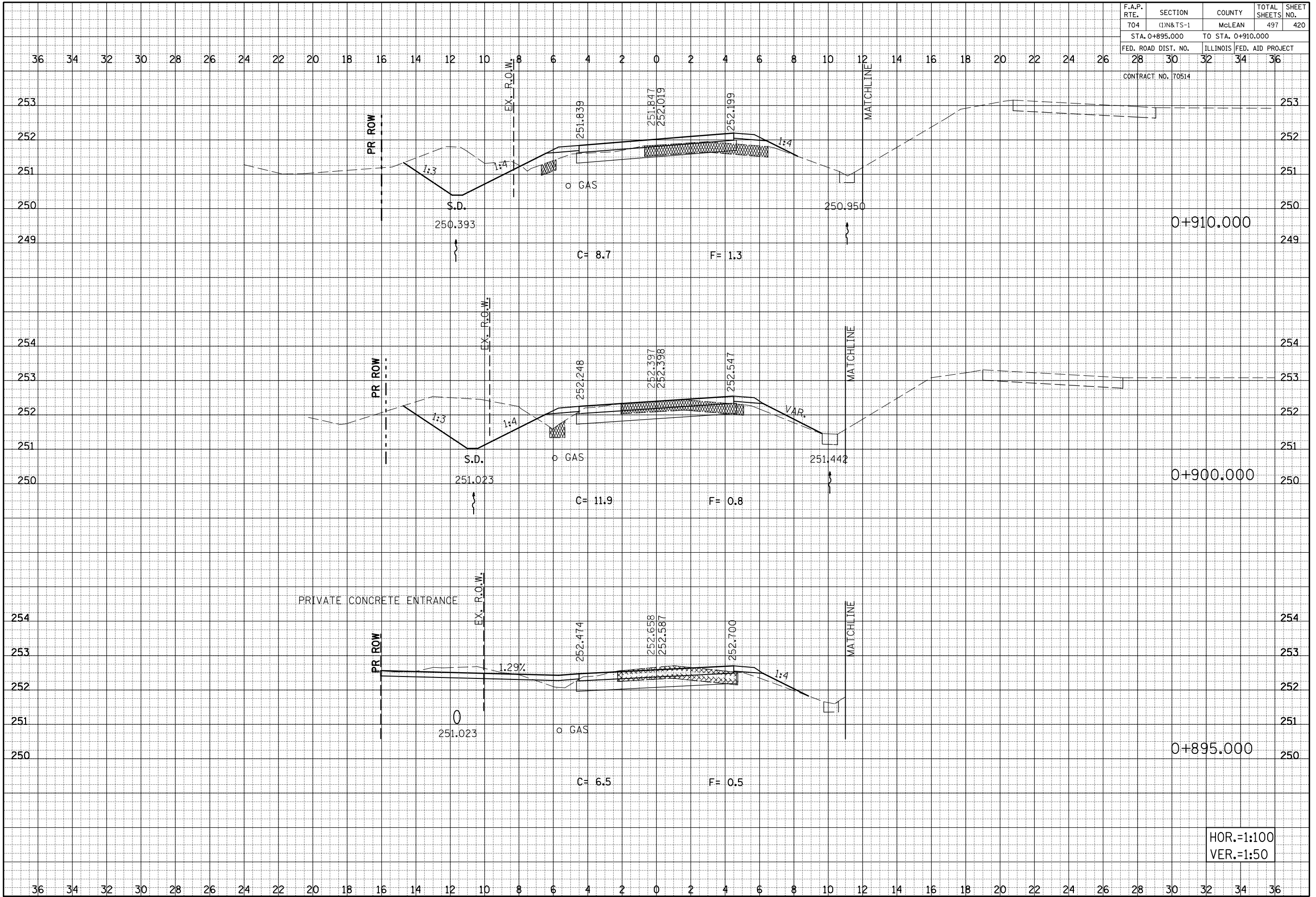
SPRINGFIELD ROAD, CROSS SECTIONS, STA. 0+880.000 TO STA. 0+890.000

HOR.=1:100
VER.=1:50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	420
STA. 0+895.000 TO STA. 0+910.000				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

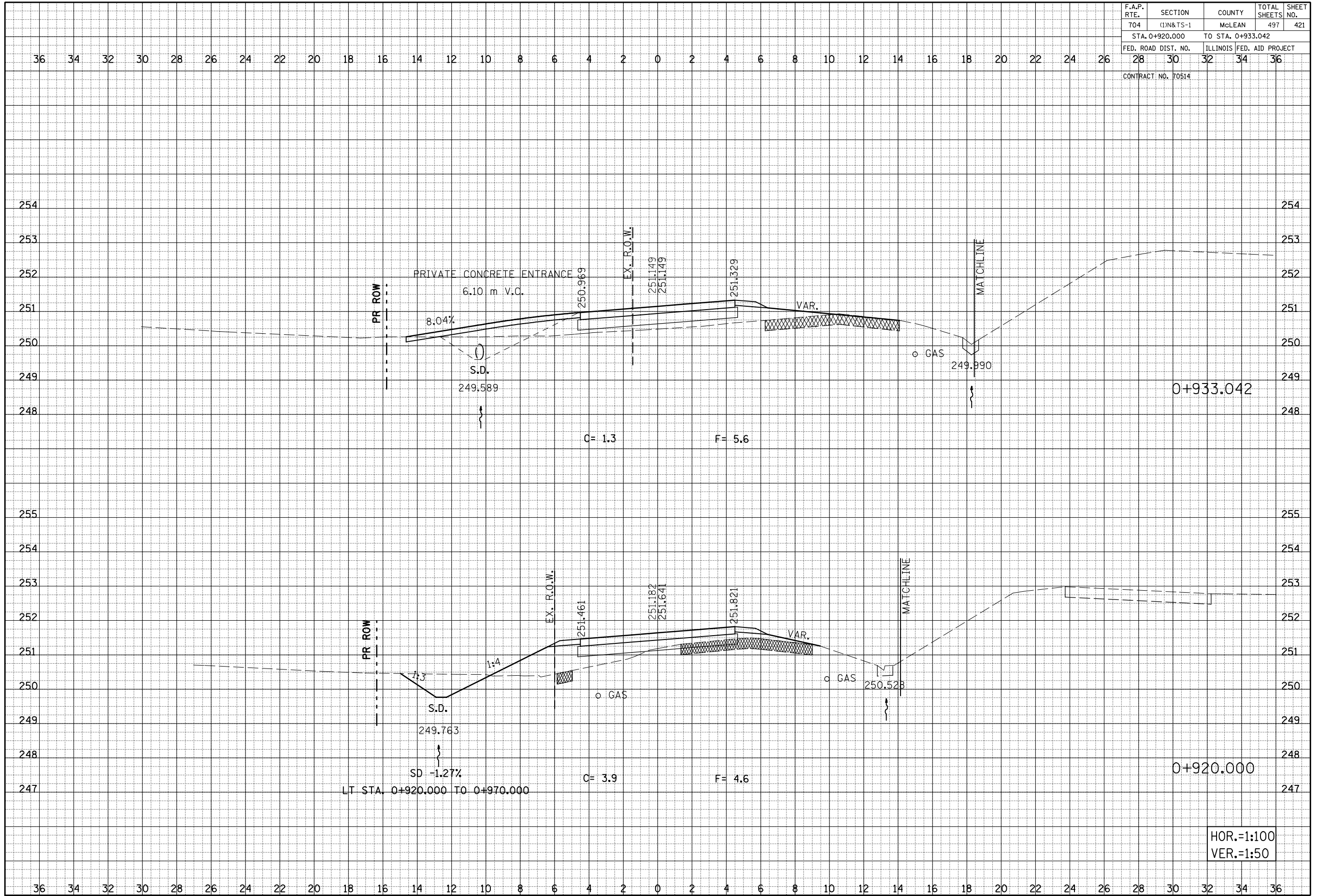


HOR.=1:100
VER.=1:50

F.A.P. RTE. 704	SECTION (1)N&TS-1	COUNTY McLEAN	TOTAL SHEETS 497	SHEET NO. 421
STA. 0+920.000 TO STA. 0+933.042				
FED. ROAD DIST. NO. 28 30 32 34 36			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 70514				

BY _____	DATE _____
ORIGINAL SURVEY PLOTTED PLATE NO. _____	DATE _____
FINAL SURVEY PLOTTED PLATE NO. _____	DATE _____
NOTE BOOK NO. _____	DATE _____
AREAS CHECKED _____	DATE _____

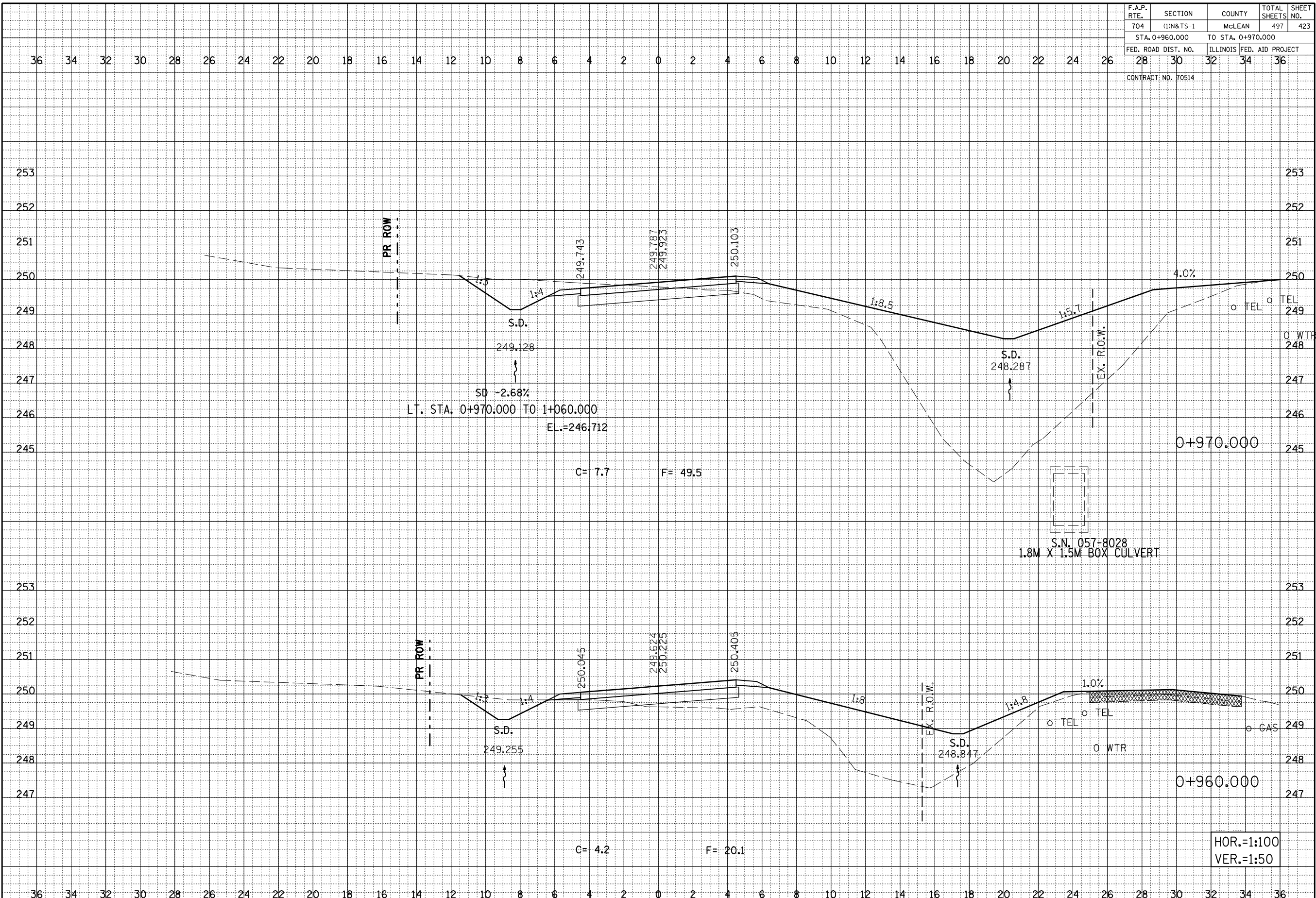
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ORIGINAL SURVEY PLOTTED PLATE NO. _____	DATE _____
FINAL SURVEY PLOTTED PLATE NO. _____	DATE _____
NOTE BOOK NO. _____	DATE _____
AREAS CHECKED _____	DATE _____



SPRINGFIELD ROAD, CROSS SECTIONS, STA. 0+920.000 TO STA. 0+933.042

HOR.=1:100
VER.=1:50

F.A.P. RTE. 704	SECTION (1)N&TS-1	COUNTY McLEAN	TOTAL SHEETS 497	SHEET NO. 423
STA. 0+960.000			TO STA. 0+970.000	
FED. ROAD DIST. NO. 28 30 32 34 36		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



BY	DATE
SURVEYED	
PLOTTED	
INSTRUMENT	
AREAS	
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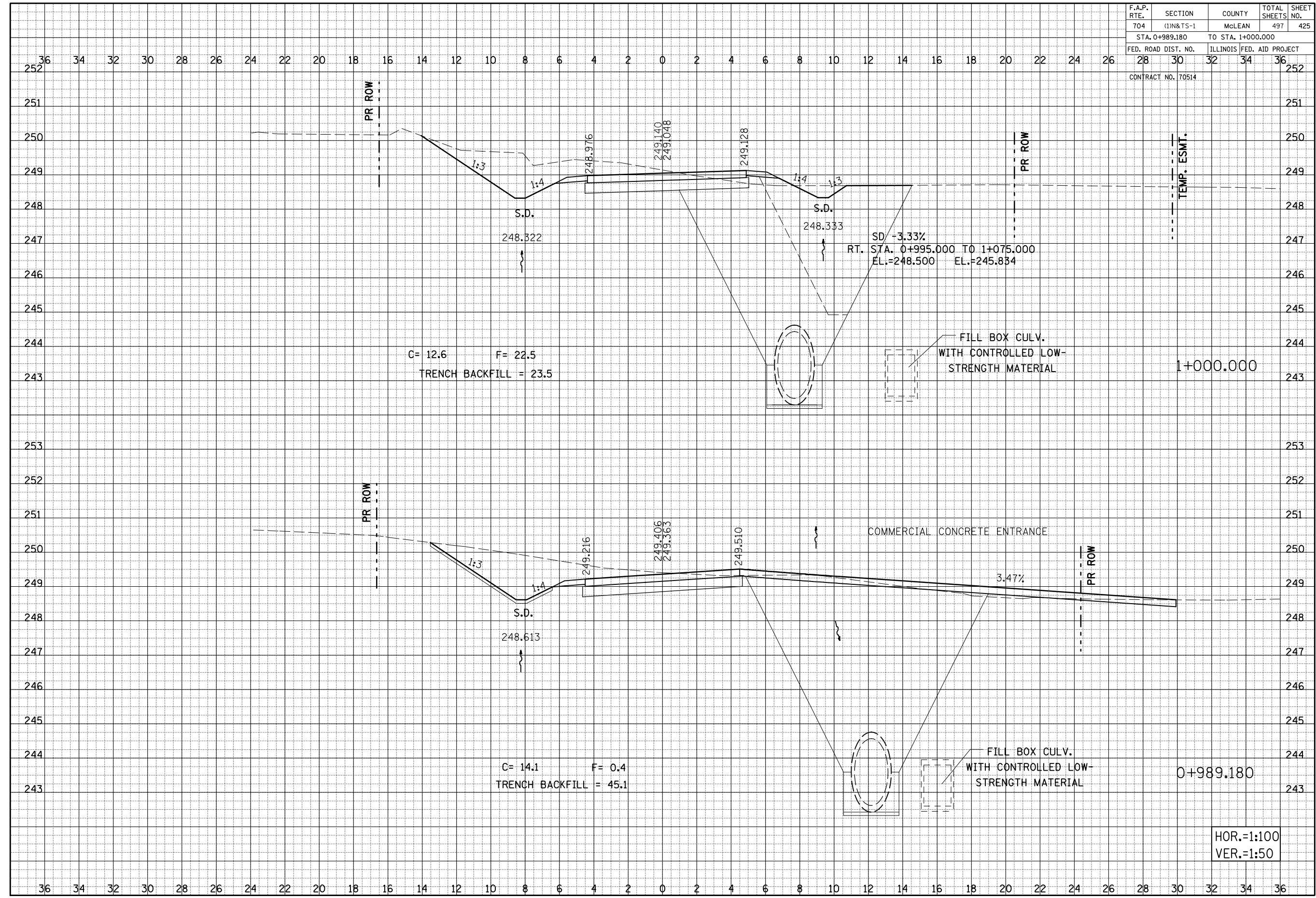
BY	DATE
ORIGINAL SURVEY	
PLOTTED	
INSTRUMENT	
AREAS	
CHECKED	
NO.	

SPRINGFIELD ROAD, CROSS SECTIONS, STA. 0+960.000 TO STA. 0+970.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	425
STA. 0+989.180 TO STA. 1+000.000				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
28	30	32	34	36
CONTRACT NO. 70514				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
	CHECKED

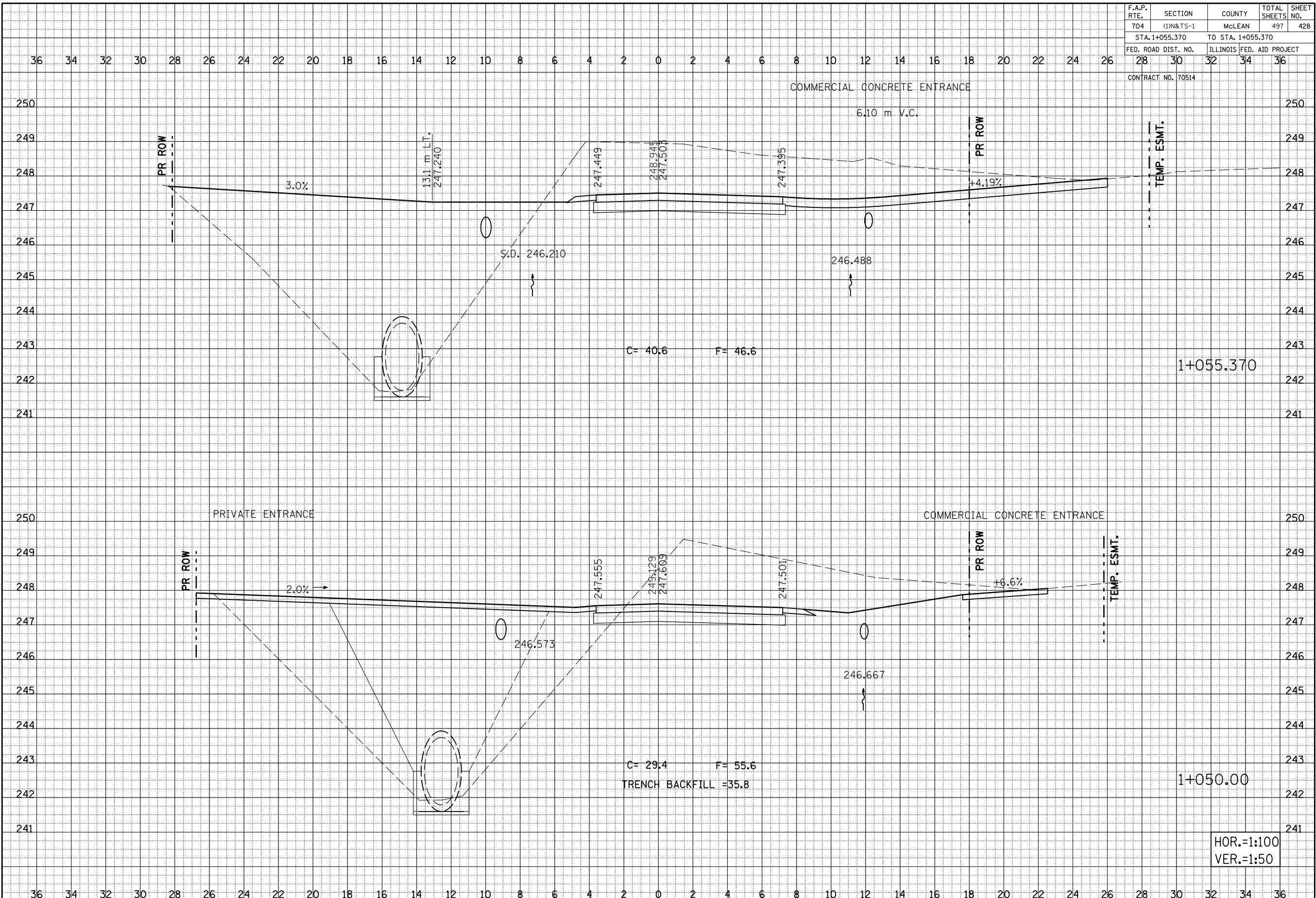
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
	CHECKED



HOR.=1:100
VER.=1:50

SPRINGFIELD ROAD, CROSS SECTIONS, STA. 0+989.180 TO STA. 1+000.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	428
STA. 1+055.370 TO STA. 1+055.370				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
28	30	32	34	36
CONTRACT NO. 70514				



BY	DATE
SURVEYED	
PLOTTED	
INSTRUMENT	
AREAS CHECKED	
NO.	

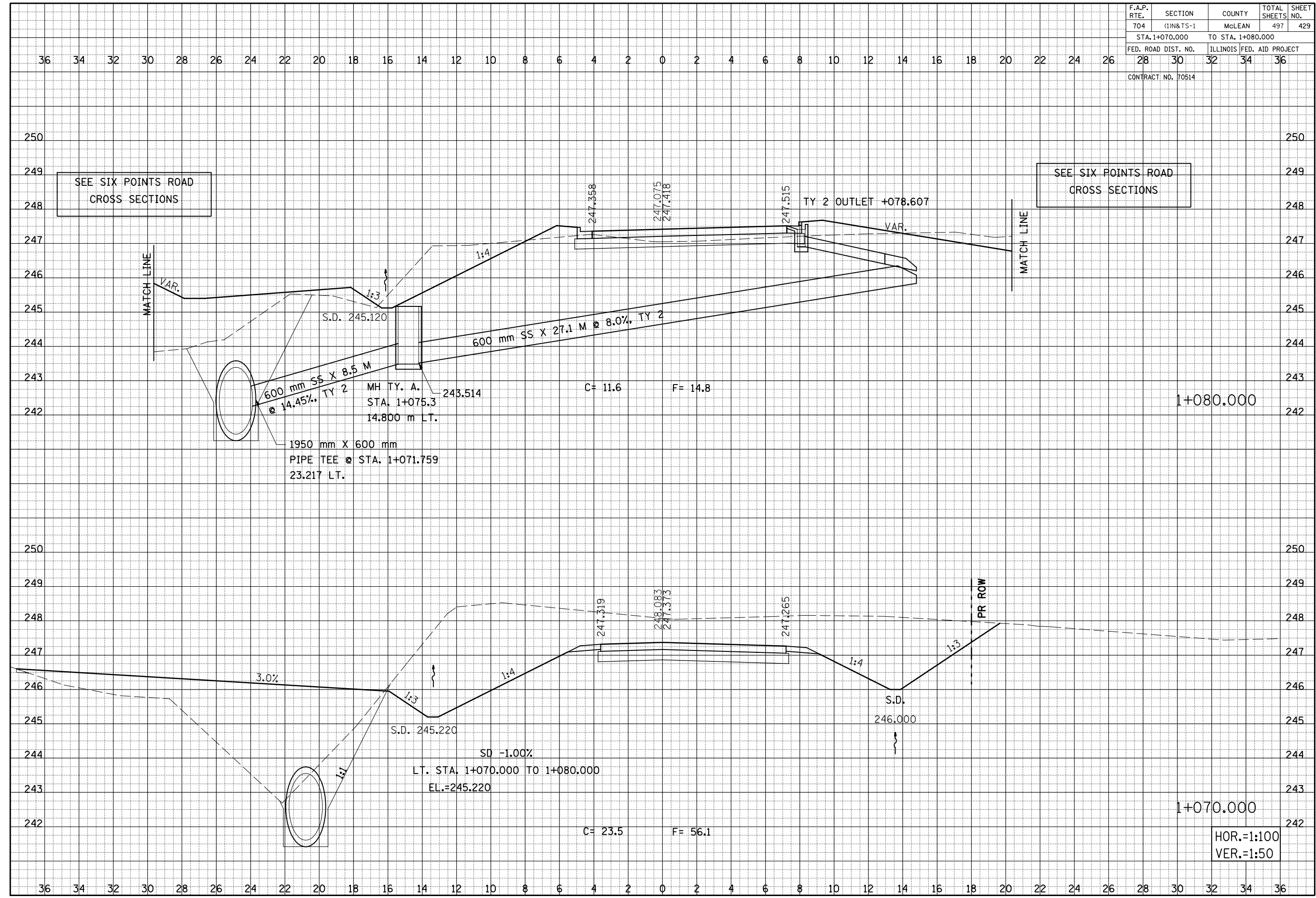
BY	DATE
SURVEYED	
PLOTTED	
INSTRUMENT	
AREAS CHECKED	
NO.	

1+055.370

1+050.00

HOR.=1:100
VER.=1:50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	429
STA. 1+070.000			TO STA. 1+080.000	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

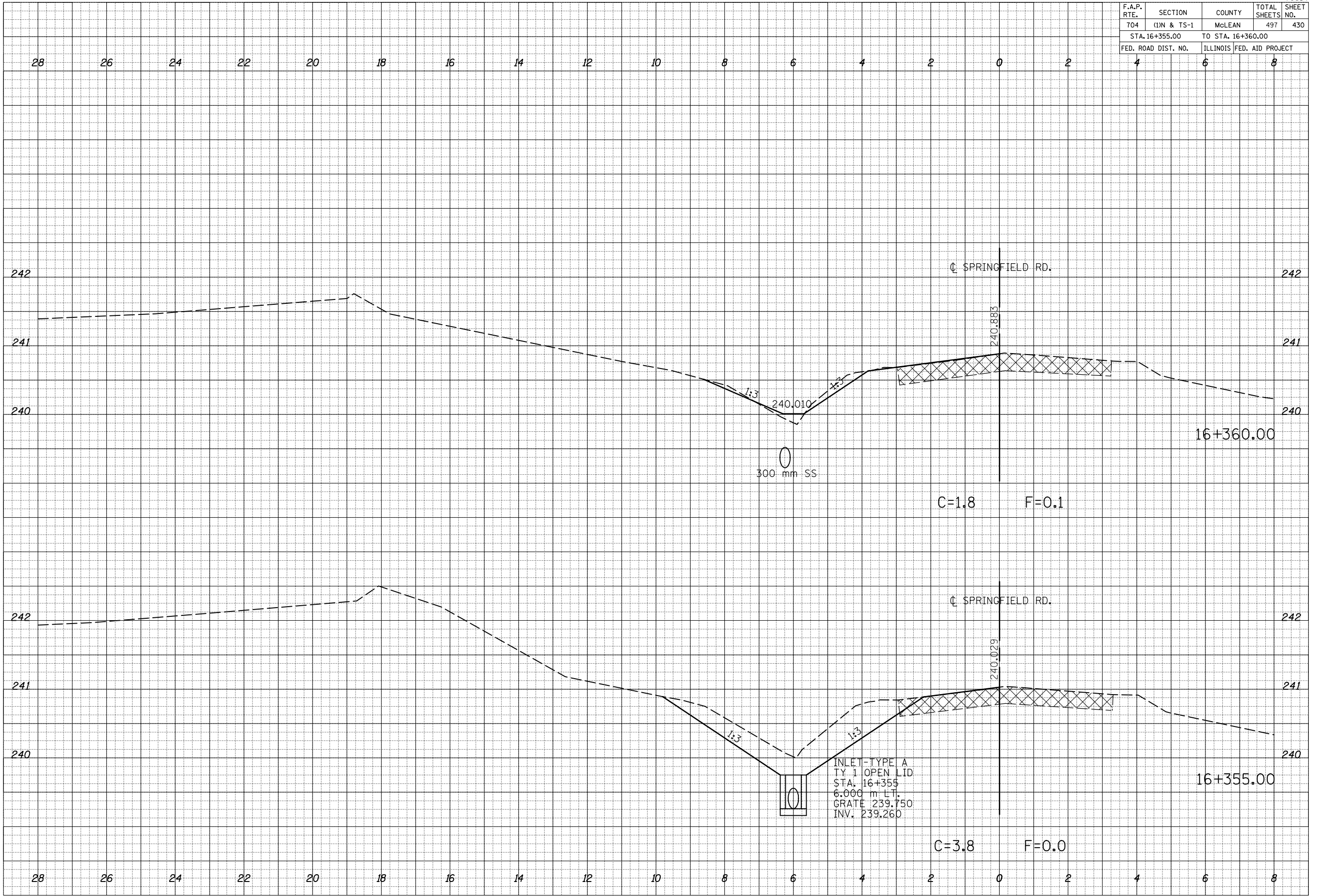


BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

SPRINGFIELD ROAD, CROSS SECTIONS, STA. 1+070.000 TO STA. 1+080.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	430
STA. 16+355.00 TO STA. 16+360.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

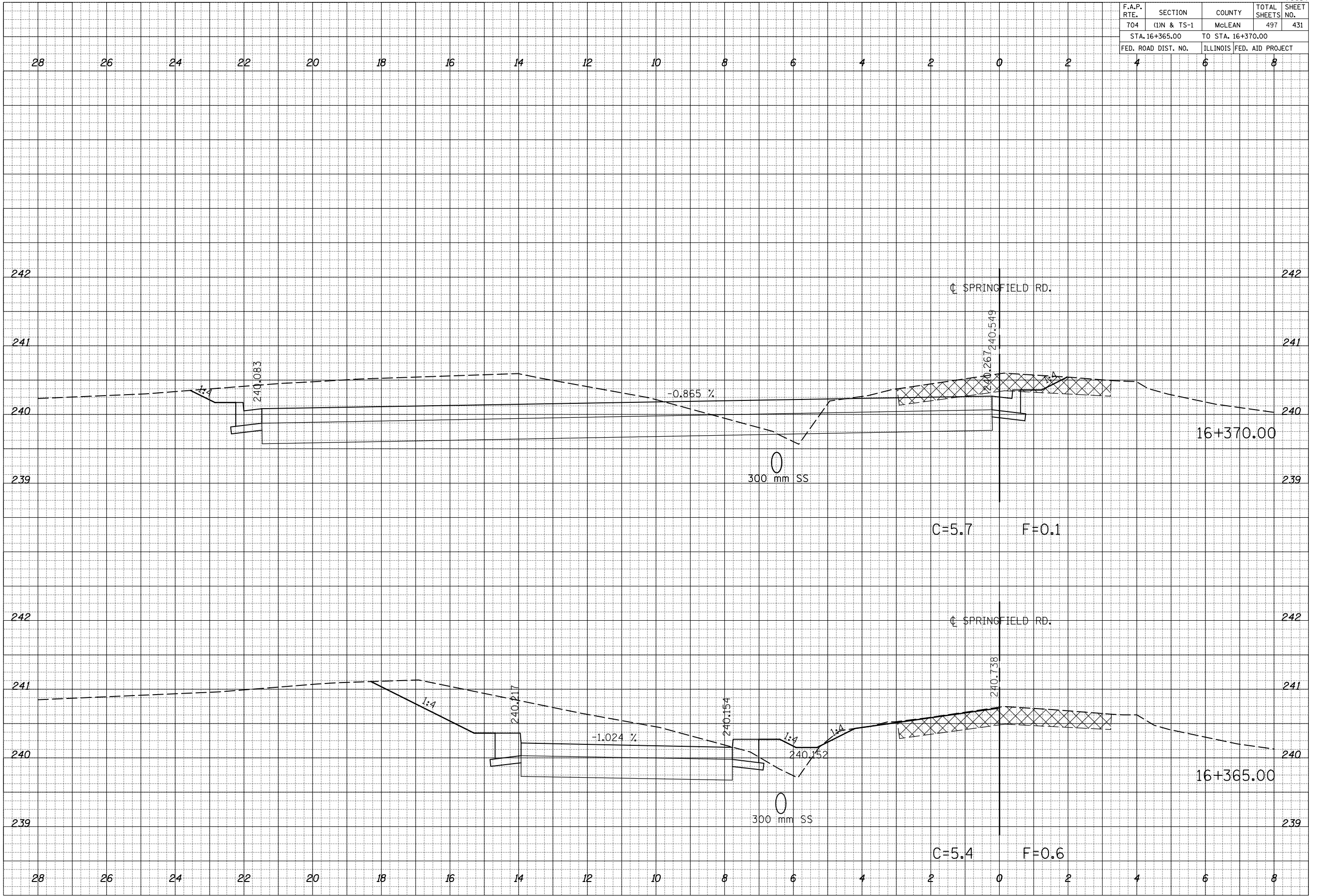


BY	DATE

BY	DATE

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 USER NAME = buckerj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	431
STA. 16+365.00		TO STA. 16+370.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

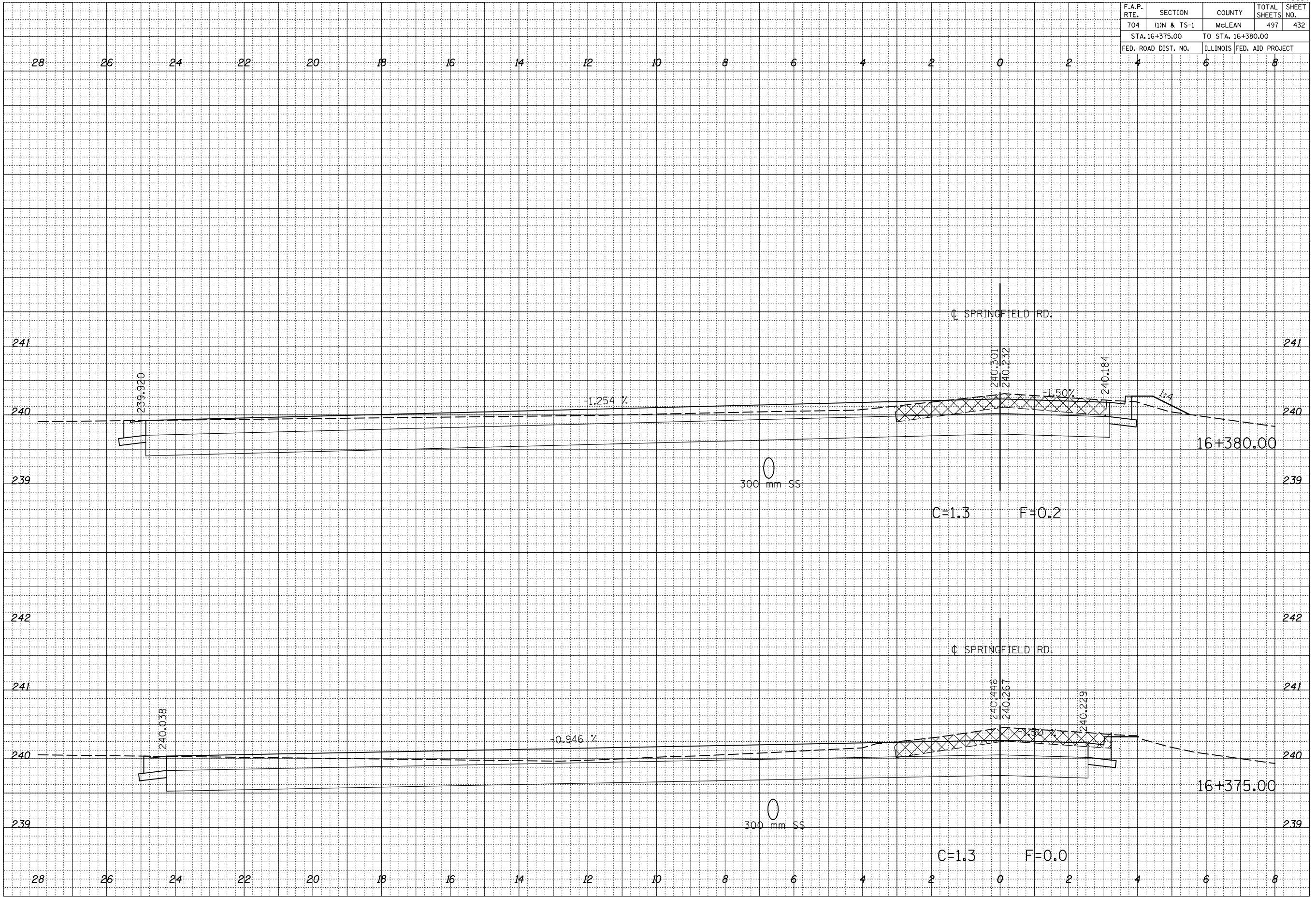


BY	DATE

BY	DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	432
STA. 16+375.00 TO STA. 16+380.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

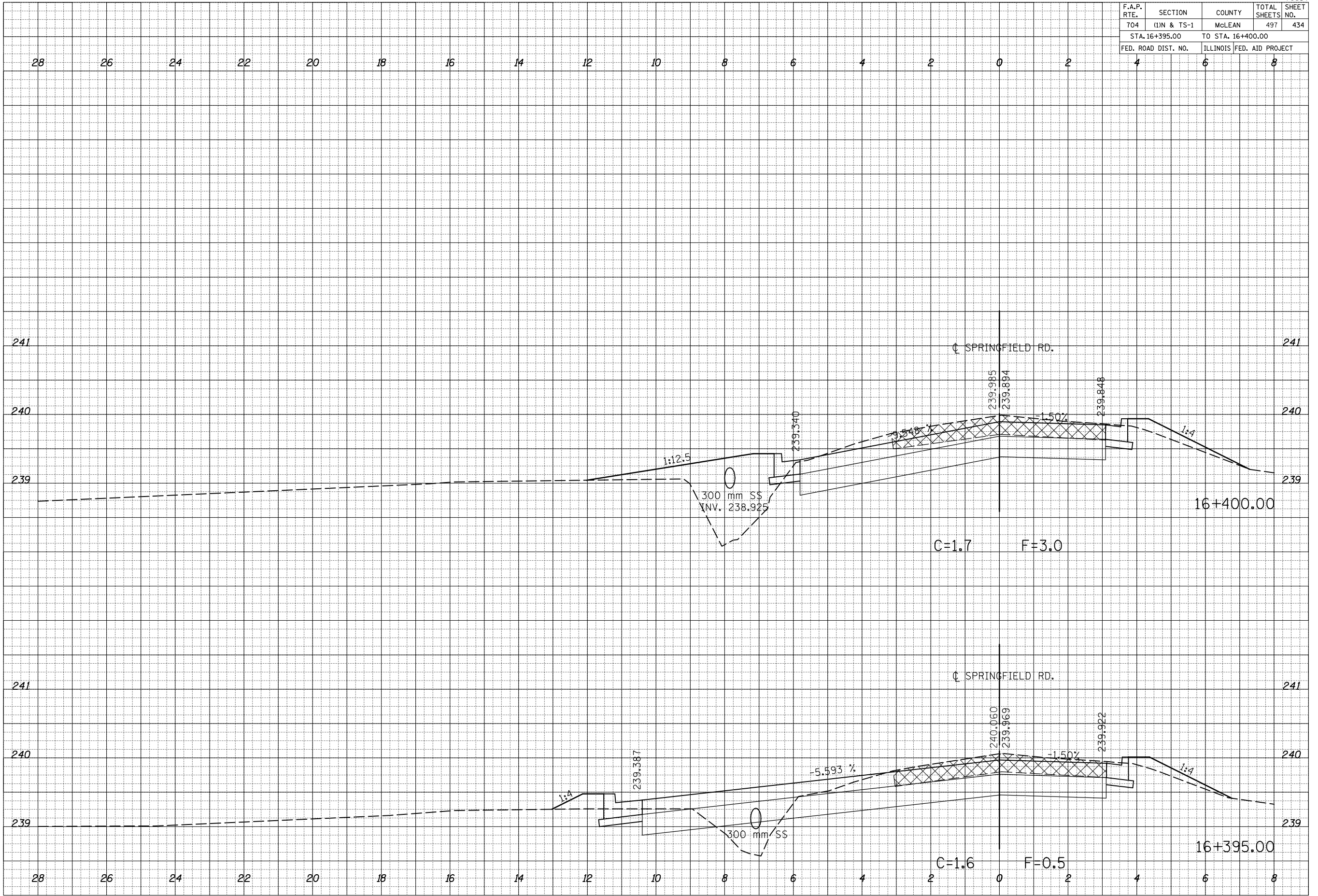


BY	DATE

BY	DATE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	434
STA. 16+395.00		TO STA. 16+400.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



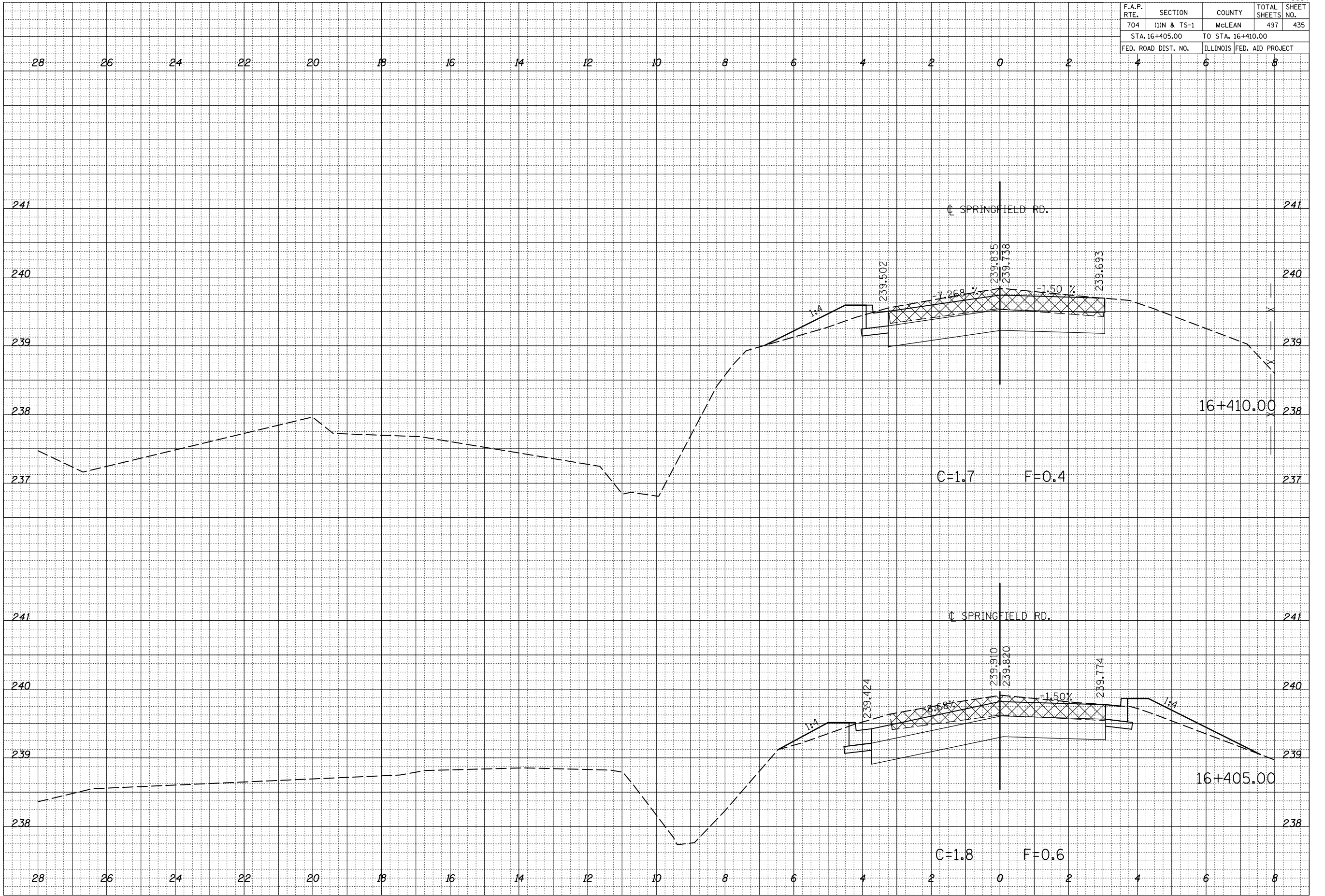
BY	DATE

BY	DATE

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SPRINGFIELD RD CROSS SECTIONS STA. 16+395 TO STA. 16+400

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	435
STA. 16+405.00			TO STA. 16+410.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BY	DATE

FINAL SURVEY	PLOTTED

NOTE BOOK	AREA	CHECKED

BY	DATE

ORIGINAL SURVEY	PLOTTED

NOTE BOOK	AREA	CHECKED

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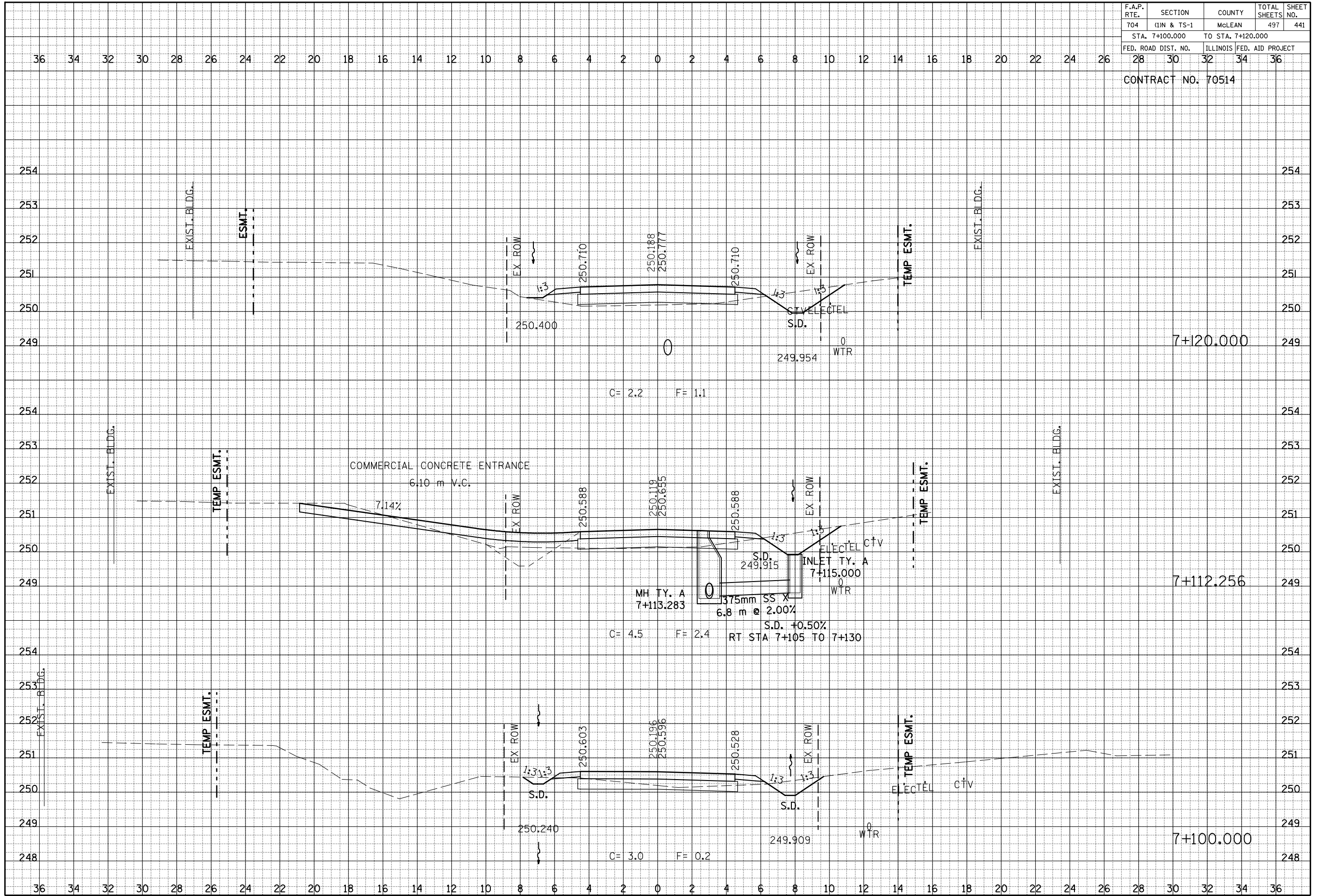
SPRINGFIELD RD CROSS SECTIONS STA. 16+405 TO STA. 16+410

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(IN & TS-1	McLEAN	497	441
STA. 7+100.000 TO STA. 7+120.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				

CONTRACT NO. 70514

BY	DATE

BY	DATE



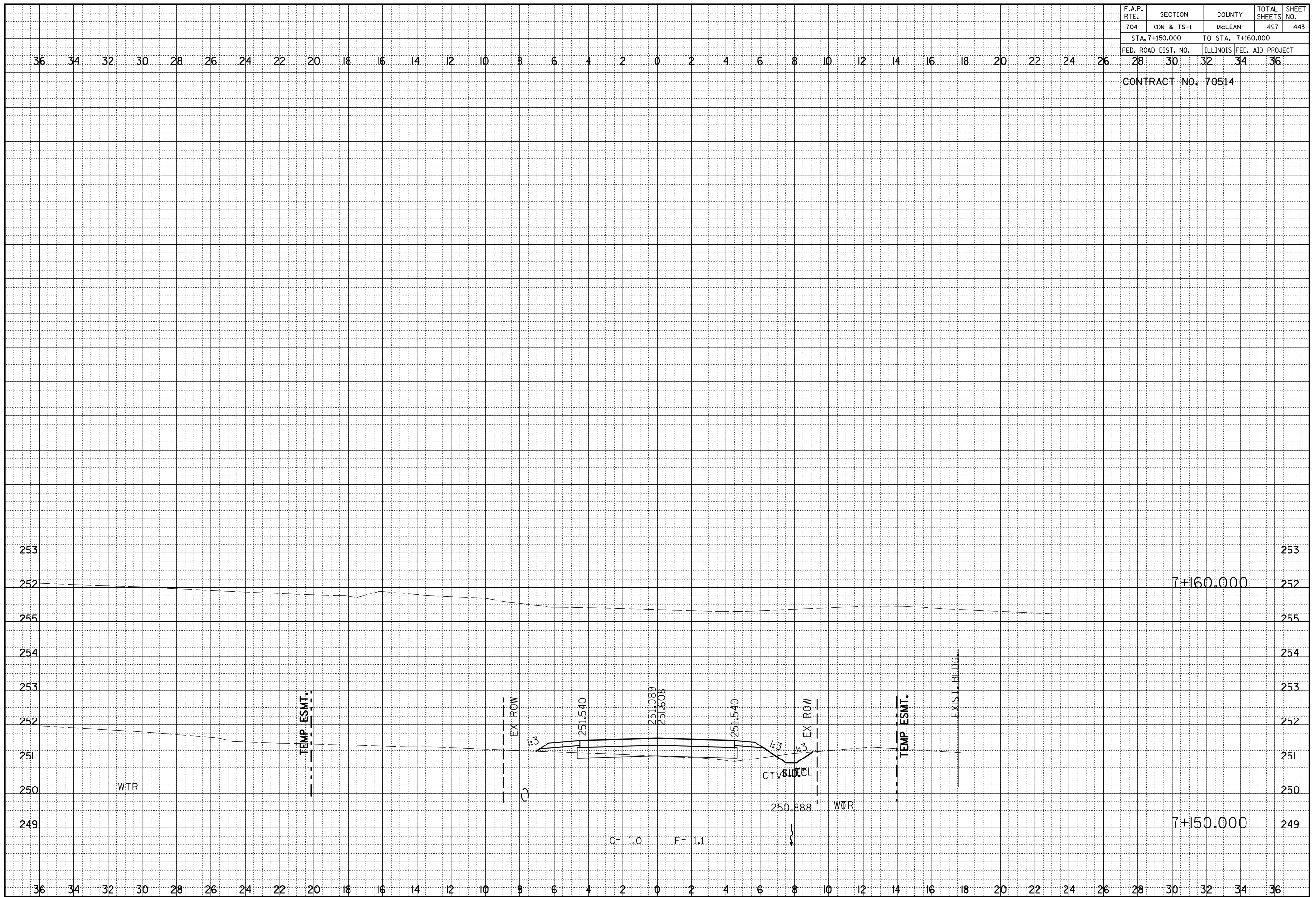
GREENWOOD AVE. CROSS SECTIONS, STA. 7+100.000 TO STA. 7+120.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(LN & TS-1)	McLEAN	497	443
STA. 7+150.000		TO STA. 7+160.000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36

CONTRACT NO. 70514

BY _____	DATE _____
FINAL SURVEY NOTE BOOK NO. _____	SURVEYED PLOTTED AREAS CHECKED _____

BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	SURVEYED PLOTTED AREAS CHECKED _____



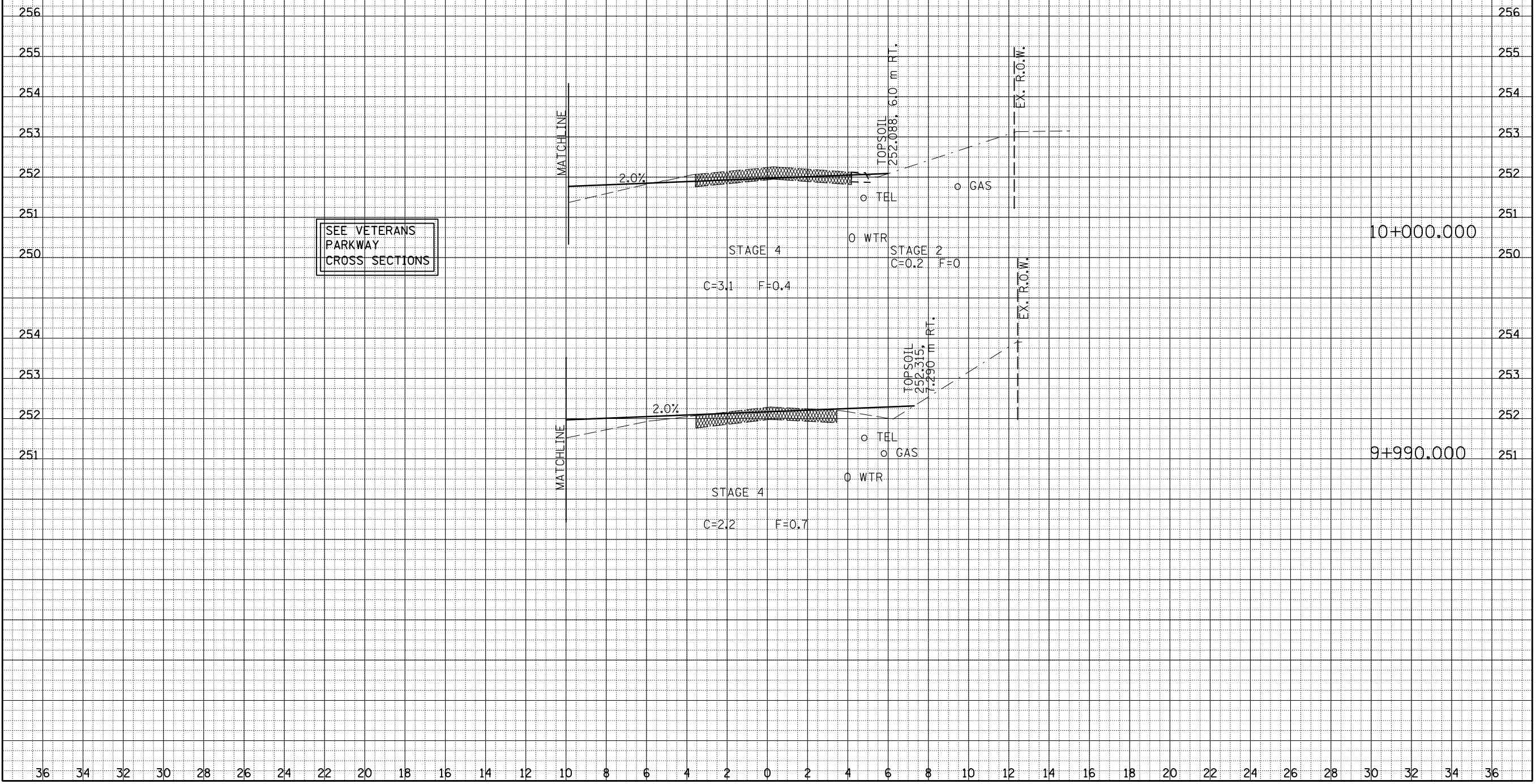
GREENWOOD AVE. CROSS SECTIONS, STA. 7+150.000 TO STA. 7+160.000

F.A.P. RTE. 704	SECTION (1)N & TS-1	COUNTY MCLEAN	TOTAL SHEETS 497	SHEET NO. 444
STA. 9+990			TO STA. 10+000	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	DATE _____
SURVEYED PLOTTED AREAS CHECKED _____	DATE _____

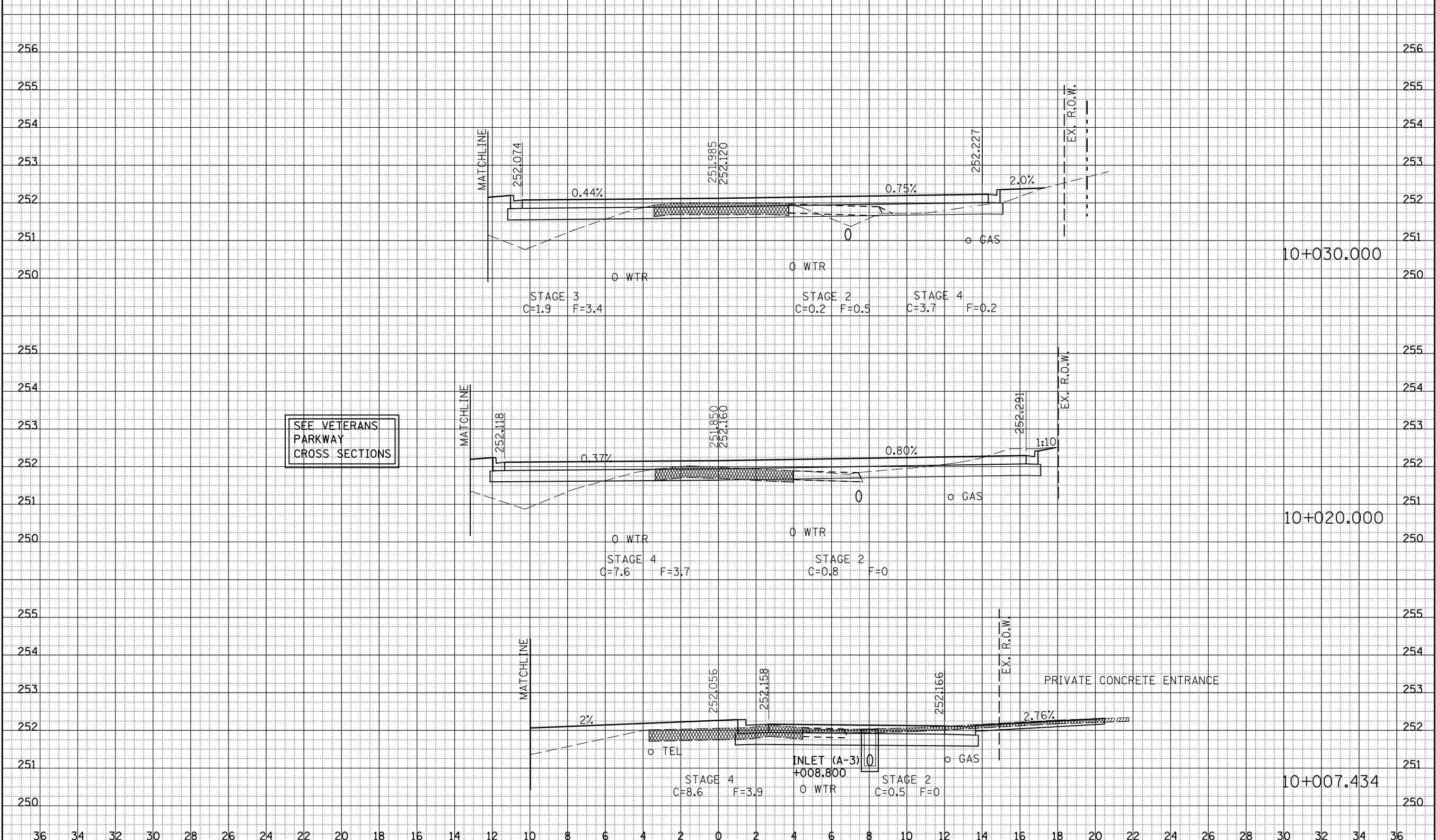
BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	DATE _____
SURVEYED PLOTTED AREAS CHECKED _____	DATE _____



GREENWOOD AVE. CROSS SECTIONS, STA. 9+990.000 TO STA. 10+000.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	MGLEAN	497	445
STA. 10+007.434		TO STA. 10+030.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36



SEE VETERANS PARKWAY CROSS SECTIONS

PRIVATE CONCRETE ENTRANCE

BY	DATE

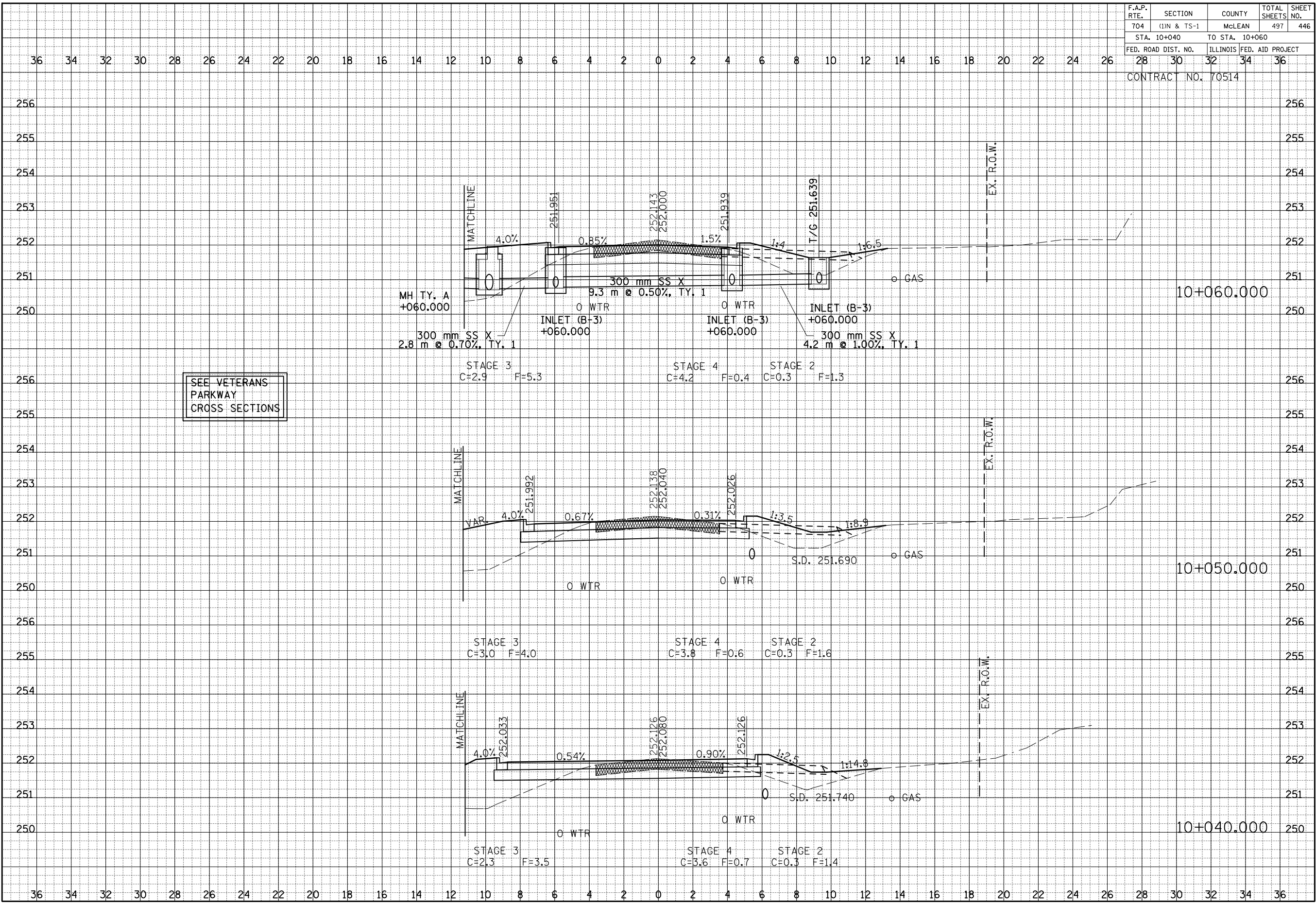
BY	DATE

GREENWOOD AVE. CROSS SECTIONS, STA. 10+007.434 TO STA. 10+030.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	446
STA. 10+040			TO STA. 10+060	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY NO.	PLOTTED DATE
NOTE BOOK NO.	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY NO.	PLOTTED DATE
NOTE BOOK NO.	AREAS CHECKED



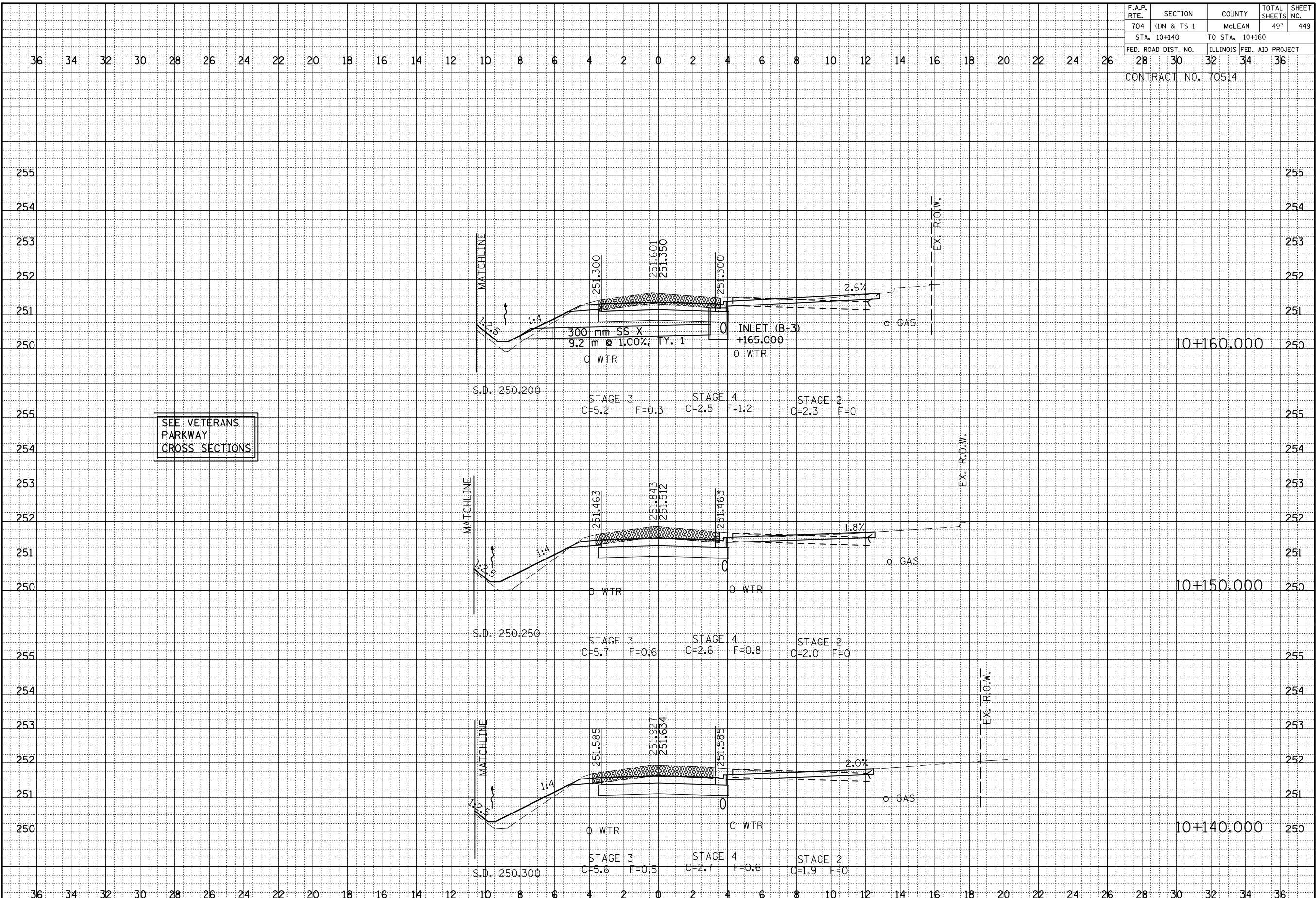
SEE VETERANS PARKWAY CROSS SECTIONS

GREENWOOD AVE. CROSS SECTIONS, STA. 10+040.000 TO STA. 10+060.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	449
STA. 10+140			TO STA. 10+160	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
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ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
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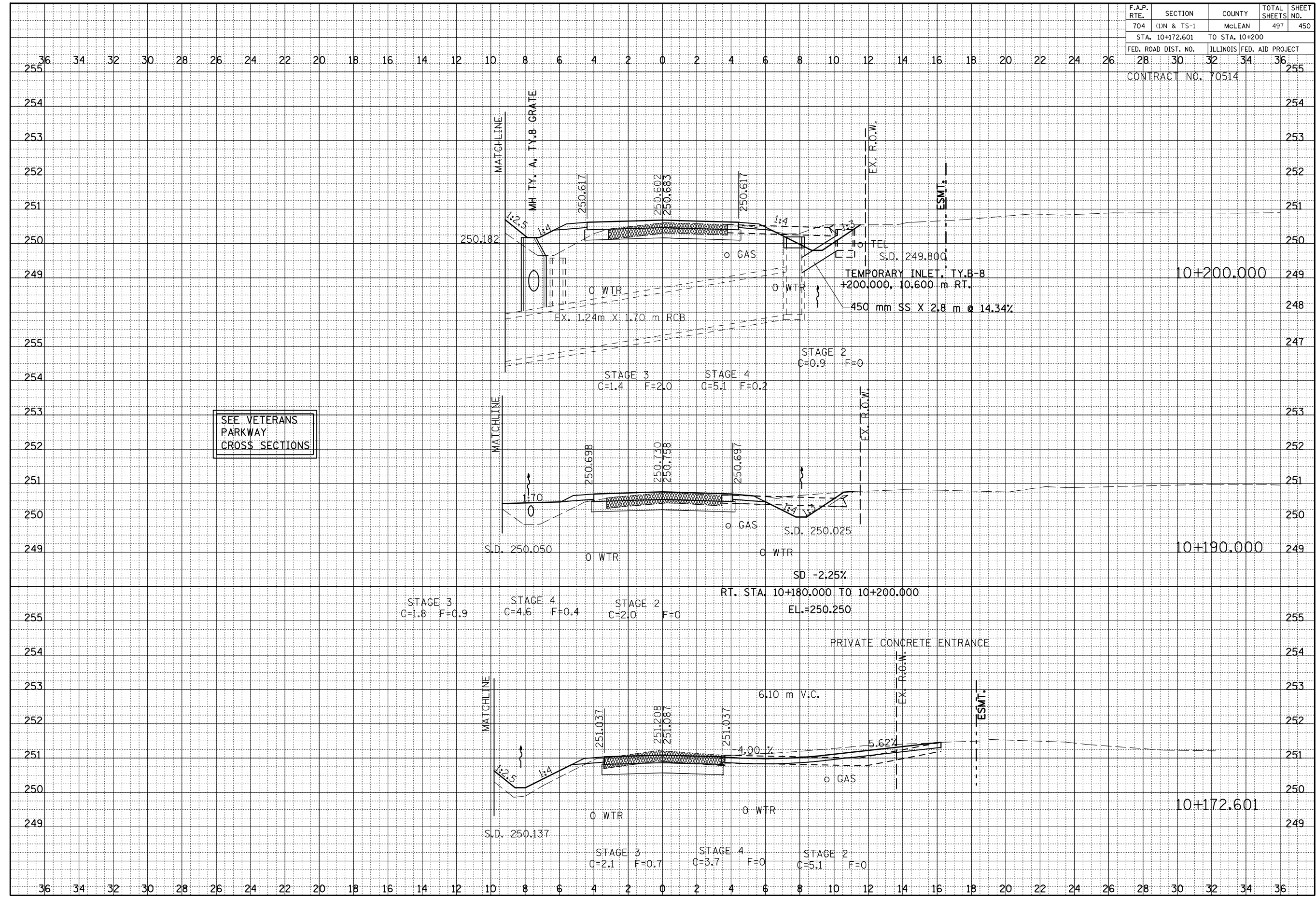
SEE VETERANS PARKWAY CROSS SECTIONS

GREENWOOD AVE. CROSS SECTIONS, STA. 10+140.000 TO STA. 10+160.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1	McLEAN	497	450
STA. 10+172.601 TO STA. 10+200				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36
CONTRACT NO. 70514				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
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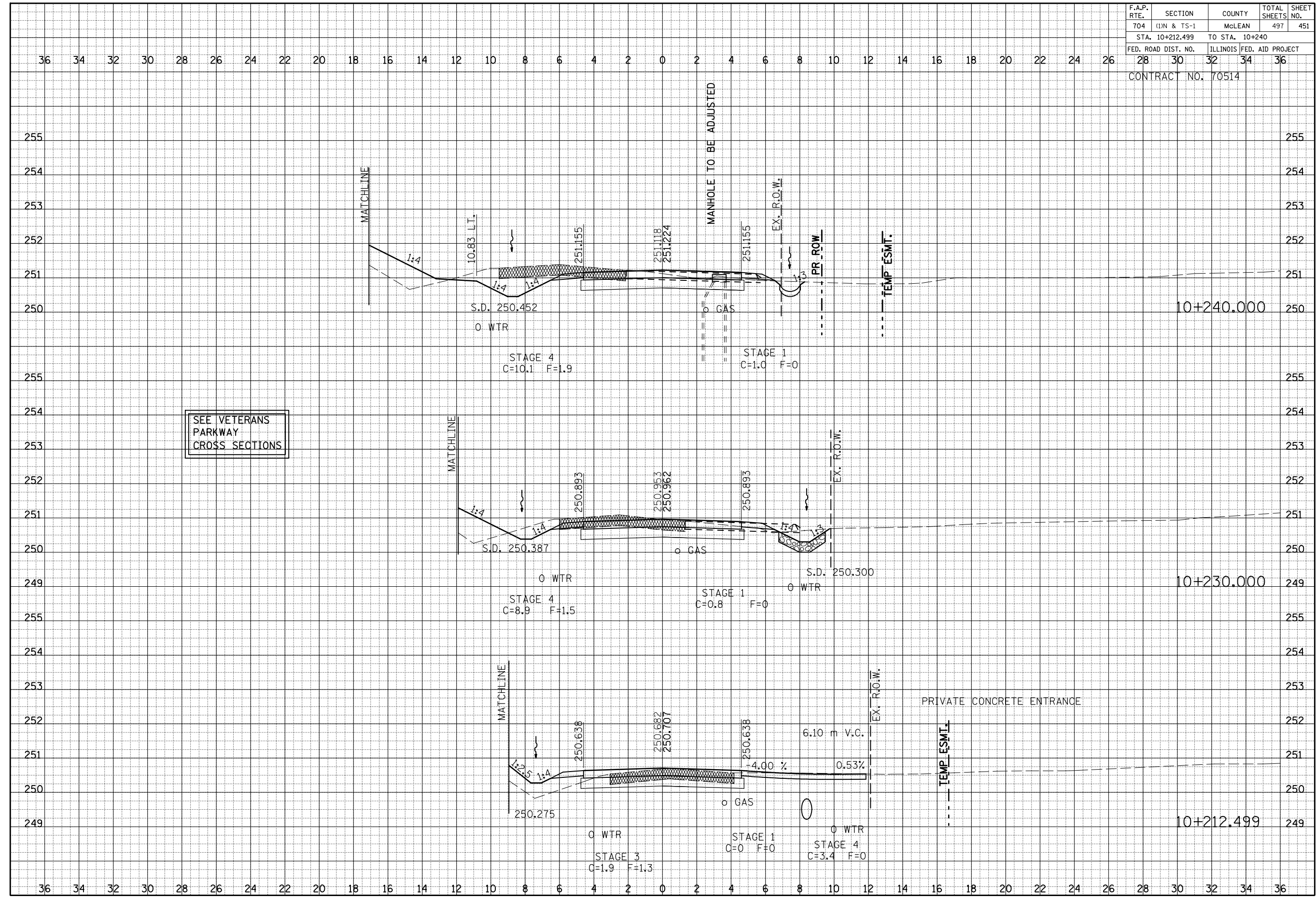


GREENWOOD AVE. CROSS SECTIONS, STA. 10+172.601 TO STA. 10+200.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	451
STA. 10+212.499 TO STA. 10+240				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
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BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
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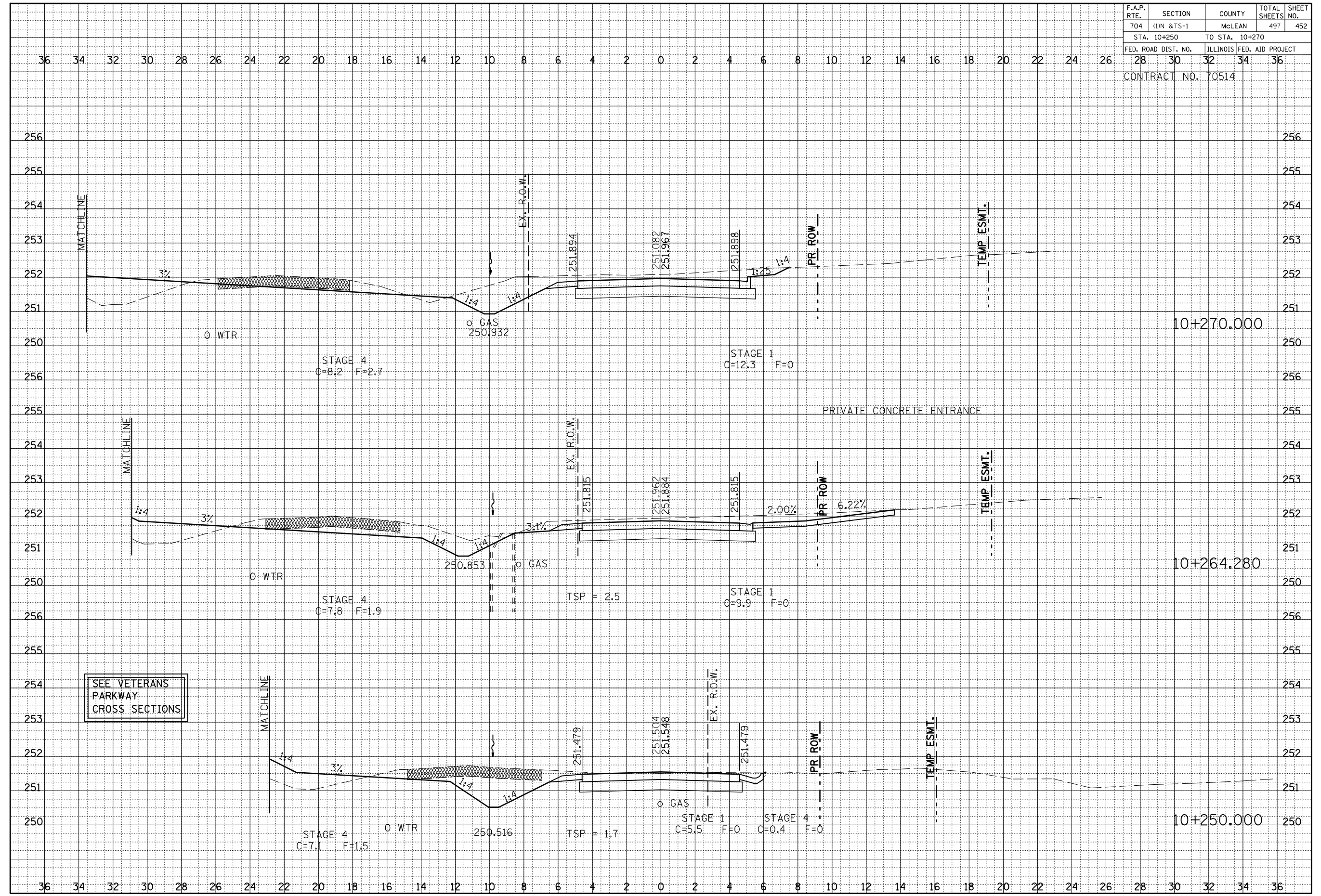


GREENWOOD AVE. CROSS SECTIONS, STA. 10+212.499 TO STA. 10+240.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	452
STA. 10+250 TO STA. 10+270				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
28	30	32	34	36
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	DATE
	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	DATE
	AREAS
	CHECKED



GREENWOOD AVE. CROSS SECTIONS, STA. 10+250.000 TO STA. 10+270.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	453
STA. 10+280		TO STA. 10+300		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

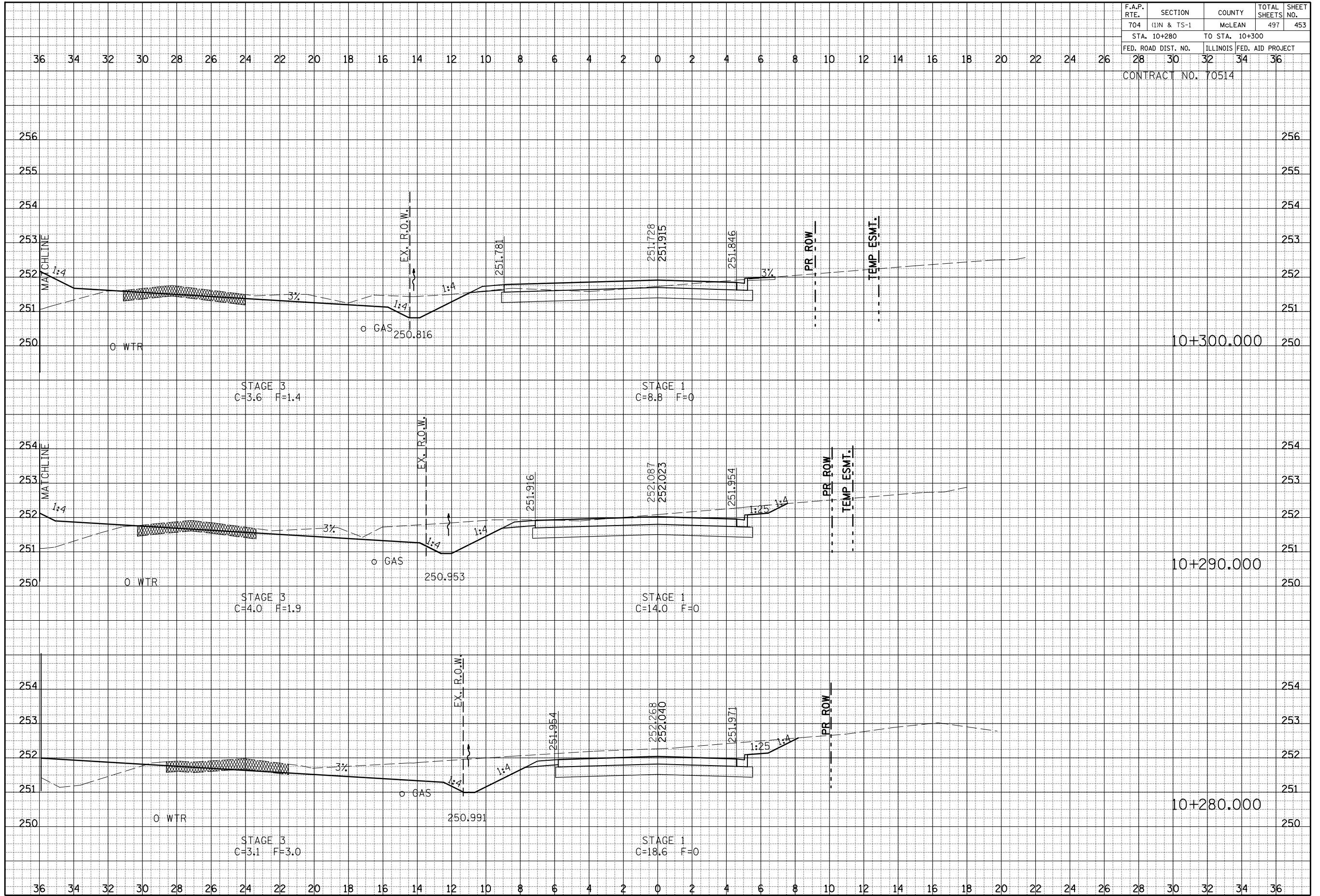
BY	DATE

FINAL SURVEY NO.	DATE

ORIGINAL SURVEY NO.	DATE

BY	DATE

ORIGINAL SURVEY NO.	DATE



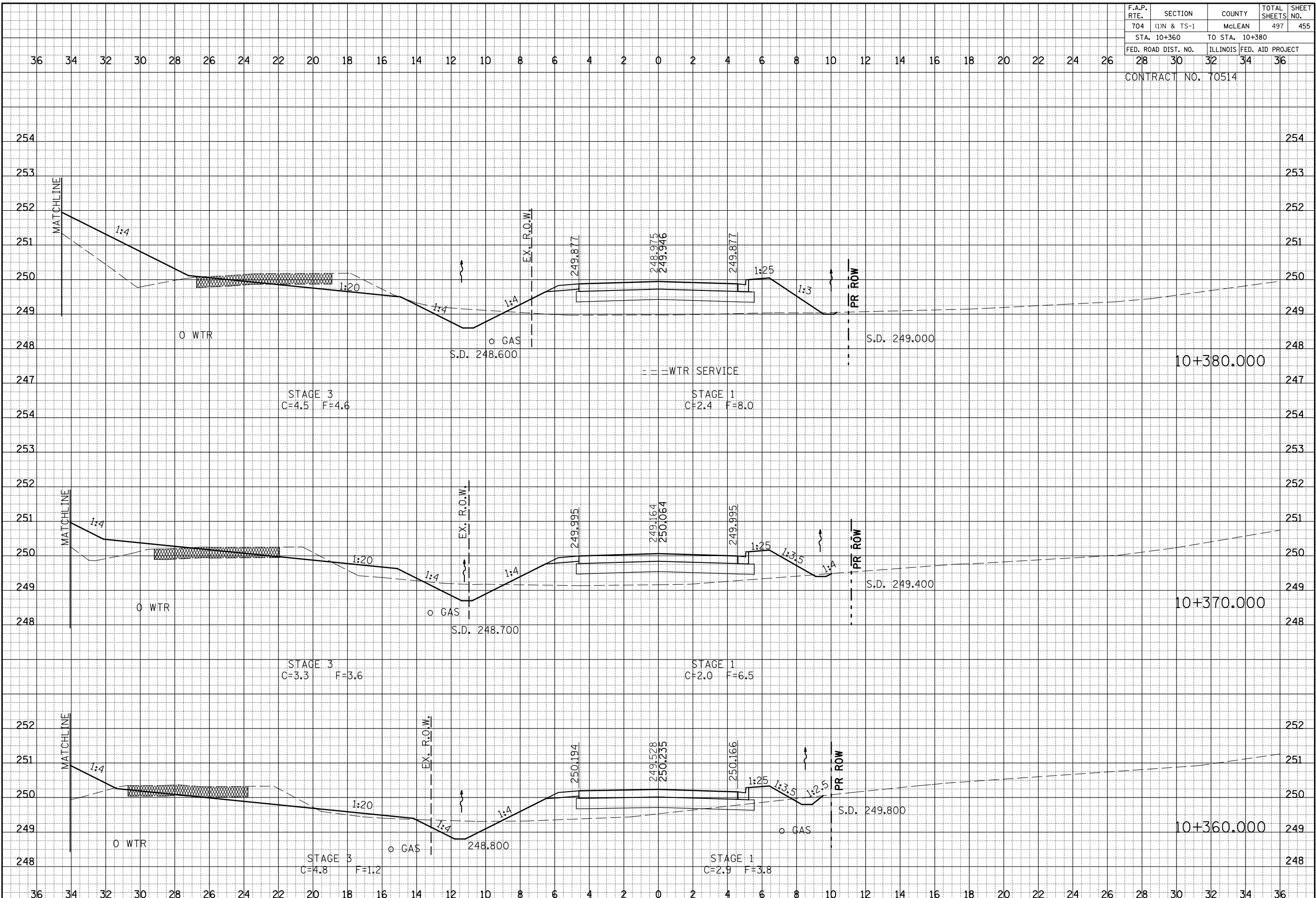
GREENWOOD AVE. CROSS SECTIONS, STA. 10+280.000 TO STA. 10+300.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	MCLEAN	497	455
STA. 10+360 TO STA. 10+380				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE

BY	DATE

BY	DATE



GREENWOOD AVE. CROSS SECTIONS, STA. 10+360.000 TO STA. 10+380.000

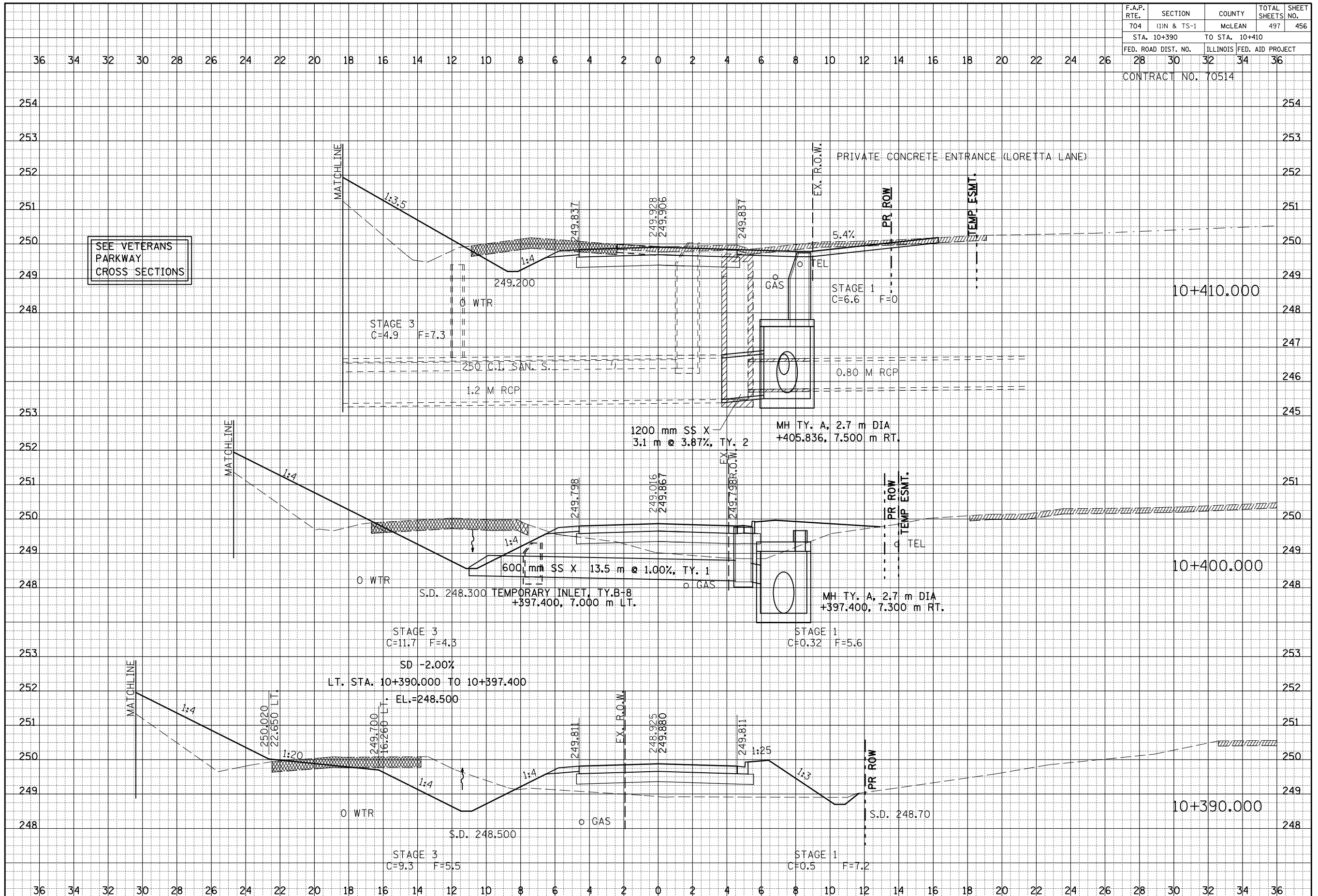
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	MCLEAN	497	456
STA. 10+390		TO STA. 10+410		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE

FINAL SURVEY NO.	DATE

BY	DATE

ORIGINAL SURVEY NO.	DATE

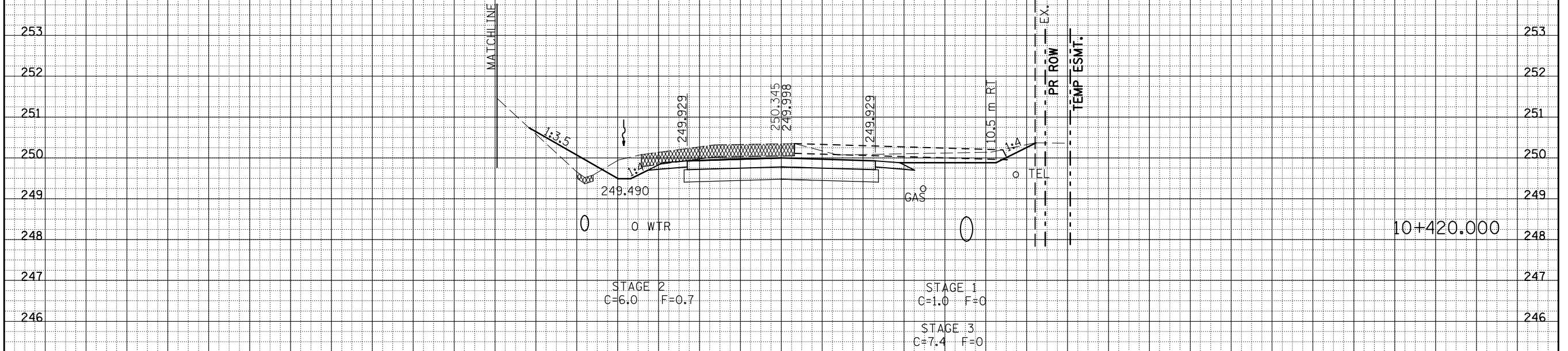
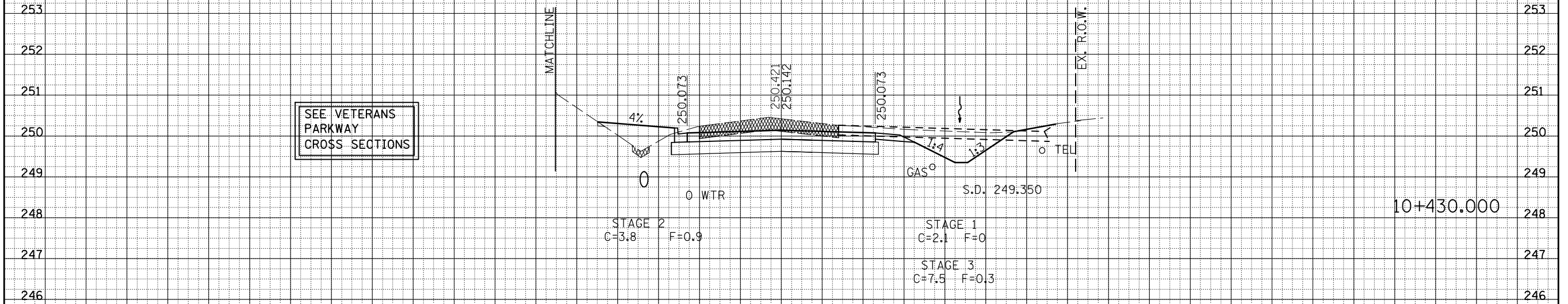


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	MCLEAN	497	457
STA. 10+420		TO STA. 10+430		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26

BY	DATE

BY	DATE



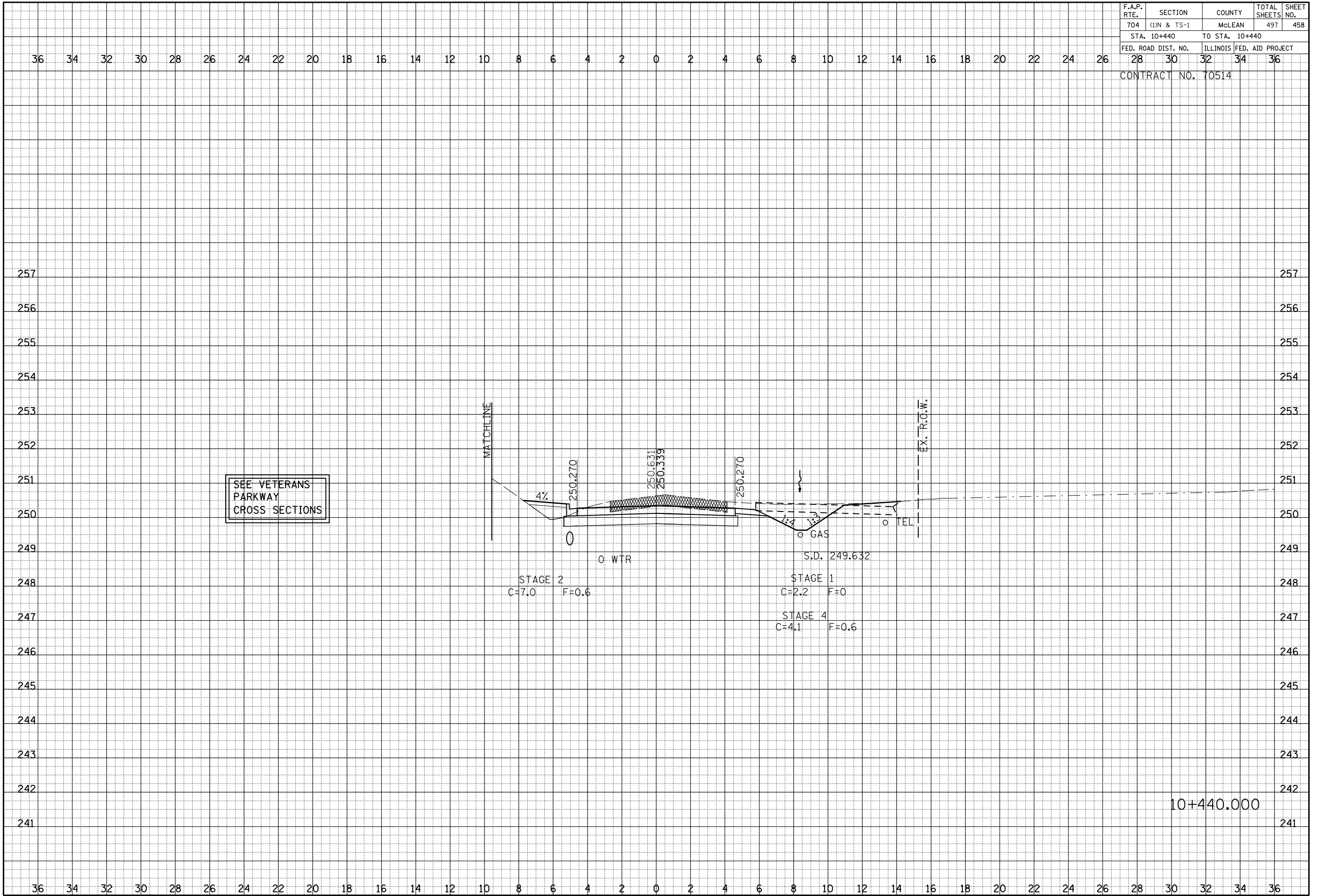
36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

GREENWOOD AVE. CROSS SECTIONS, STA. 10+420.000 TO STA. 10+430.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	458
STA. 10+440		TO STA. 10+440		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28		30 32 34 36		
CONTRACT NO. 70514				

BY	DATE
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED

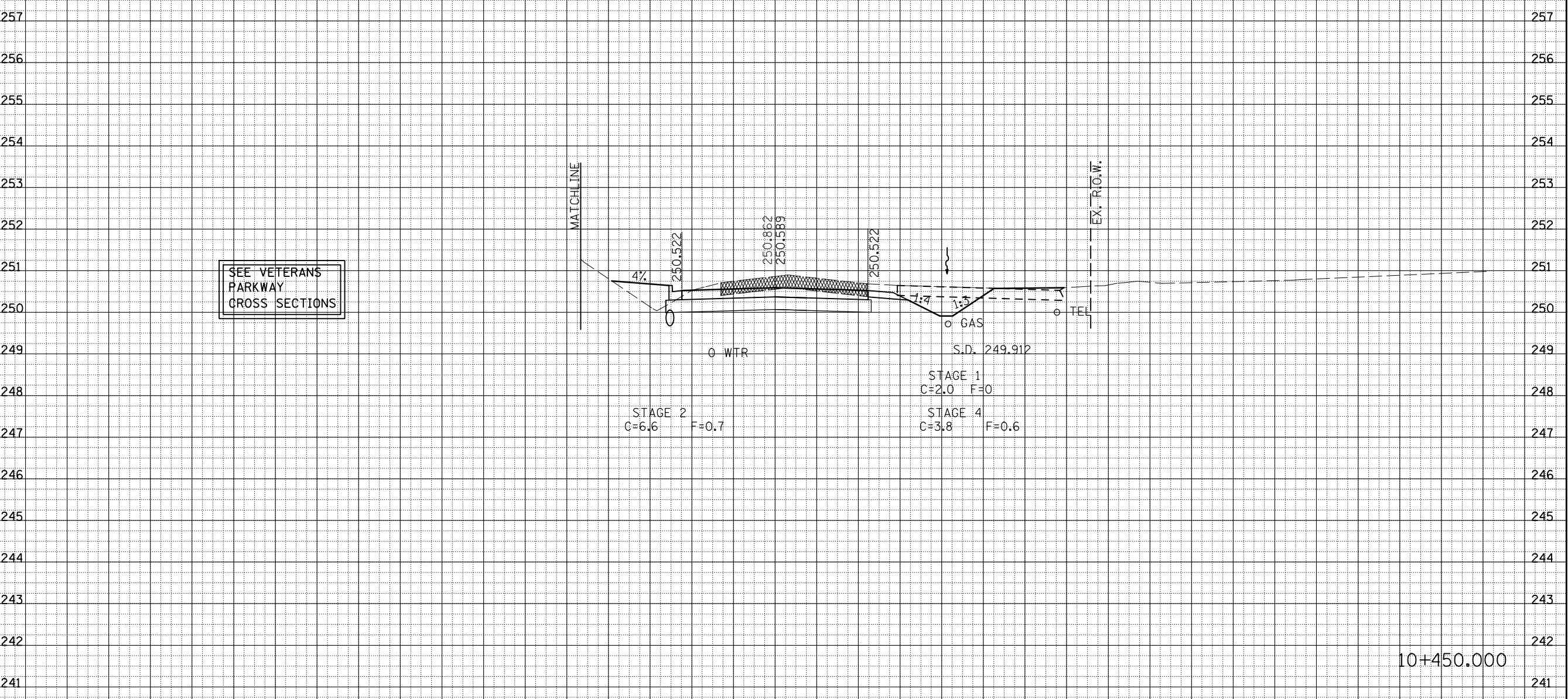
BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED



GREENWOOD AVE. CROSS SECTIONS, STA. 10+440.000 TO STA. 10+440.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1N & TS-1	McLEAN	497	459
STA. 10+450			TO STA. 10+450	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26



SEE VETERANS
PARKWAY
CROSS SECTIONS

STAGE 2
C=6.6 F=0.7

STAGE 4
C=3.8 F=0.6

STAGE 1
C=2.0 F=0

S.D. 249.912

WTR

GAS

TEL

MATCHLINE

EX. R.O.W.

10+450.000

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36

BY	DATE

FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS	PLANNED AREAS	CHECKED AREAS

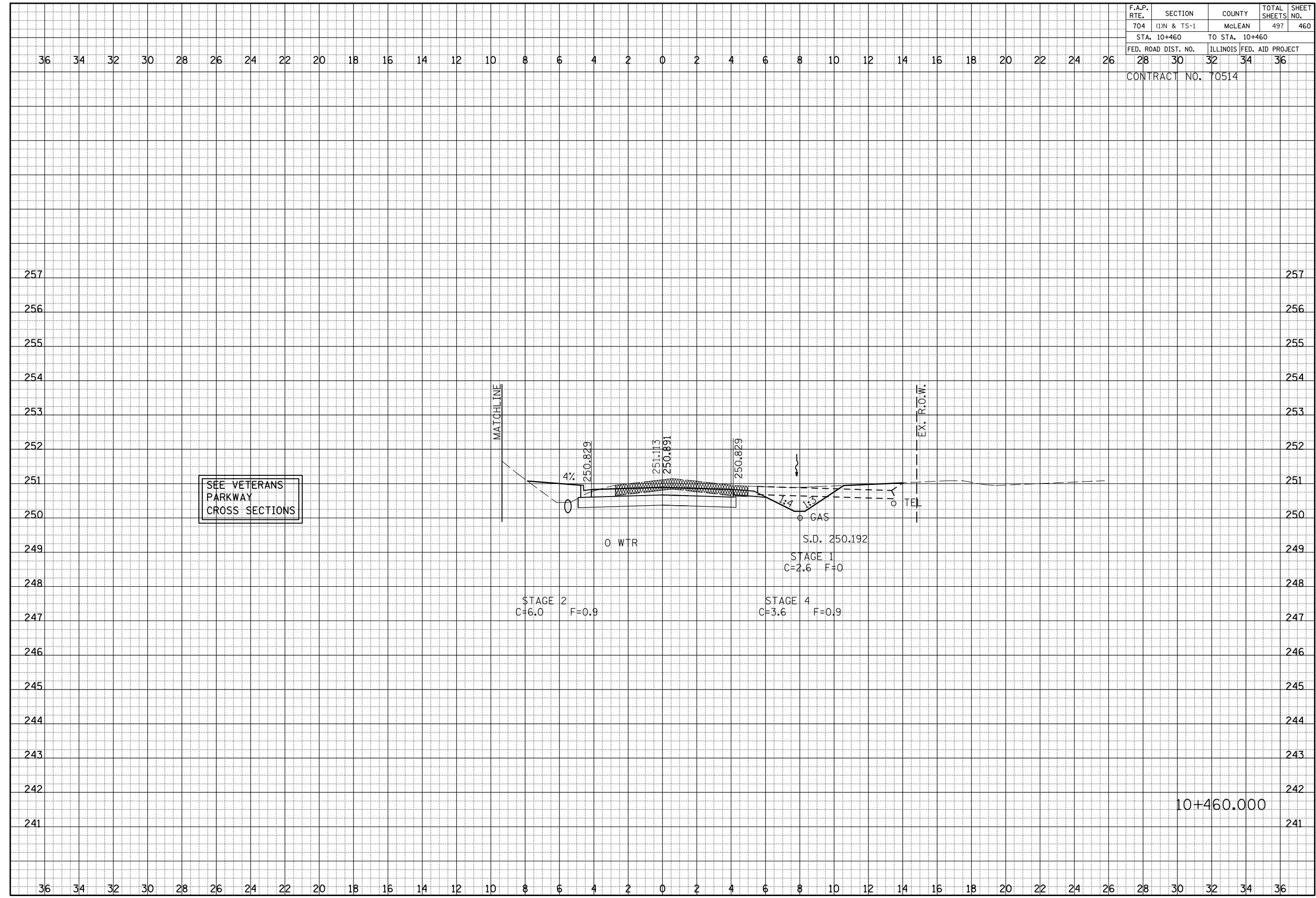
BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS	PLANNED AREAS	CHECKED AREAS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1	McLEAN	497	460
STA. 10+460			TO STA. 10+460	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	DATE
SURVEYED PLOTTED AREAS	CHECKED

BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	DATE
SURVEYED PLOTTED AREAS	CHECKED

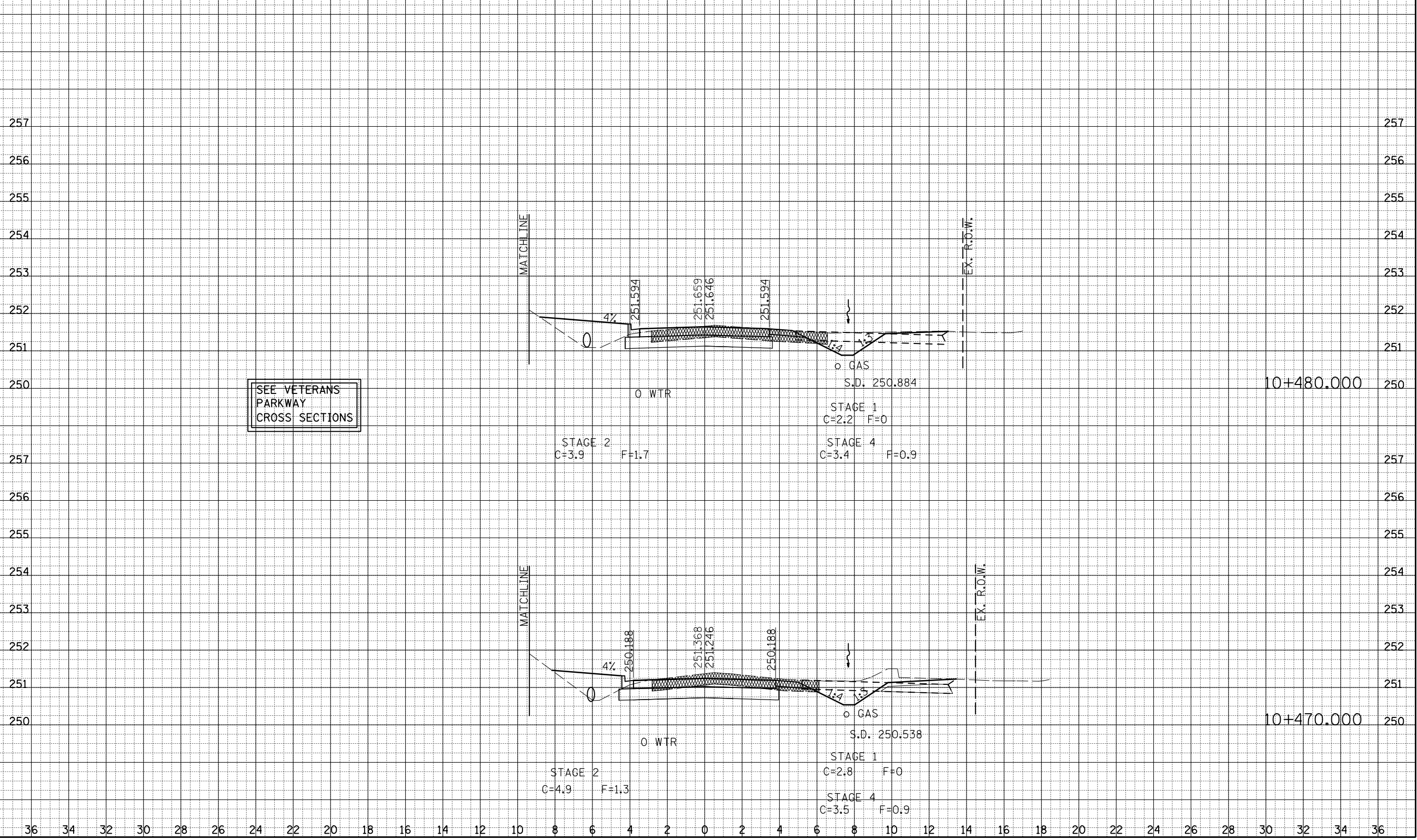


10+460.000

GREENWOOD AVE. CROSS SECTIONS, STA. 10+460.000 TO STA. 10+460.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1	MCLEAN	497	461
STA. 10+470			TO STA. 10+480	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26



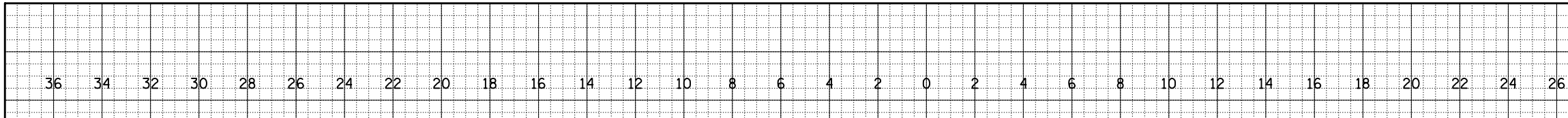
SEE VETERANS PARKWAY CROSS SECTIONS

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
NO.	AREAS CHECKED

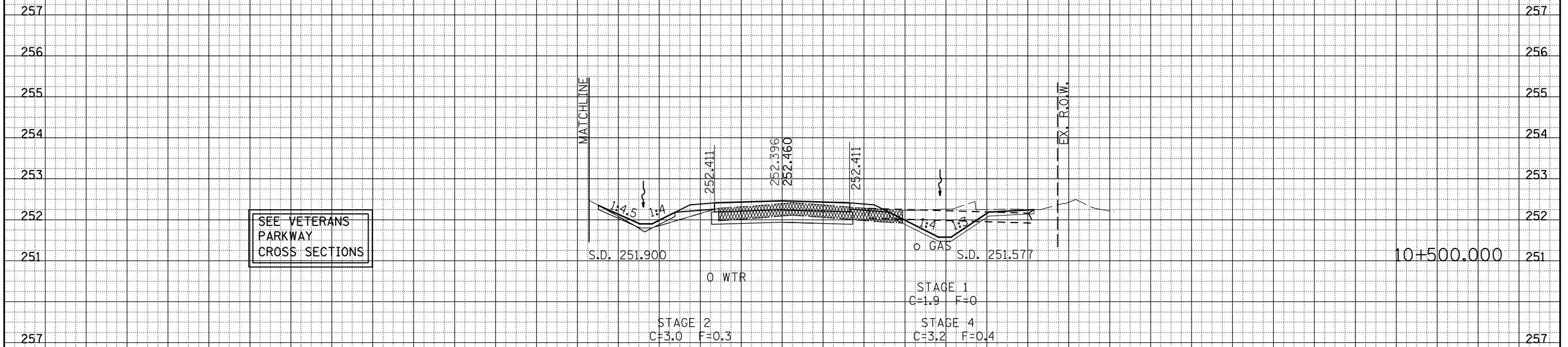
BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
NO.	AREAS CHECKED

GREENWOOD AVE. CROSS SECTIONS, STA. 10+470.000 TO STA. 10+480.000

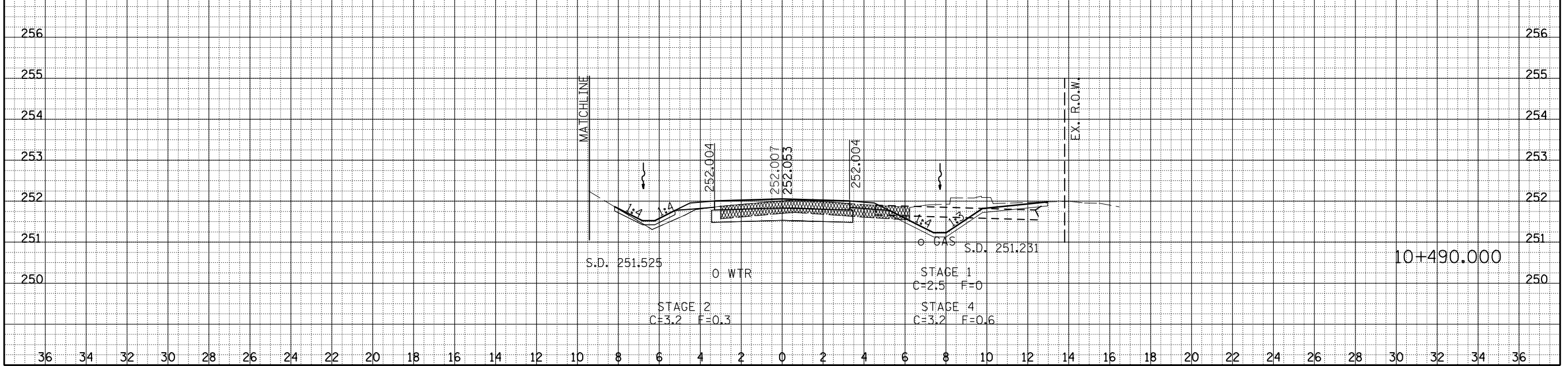
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	MCLEAN	497	462
STA. 10+490			TO STA. 10+500	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				



BY	DATE
FINAL SURVEY NOTE BOOK NO.	
SURVEYED PLOTTED	
AREAS	
CHECKED	

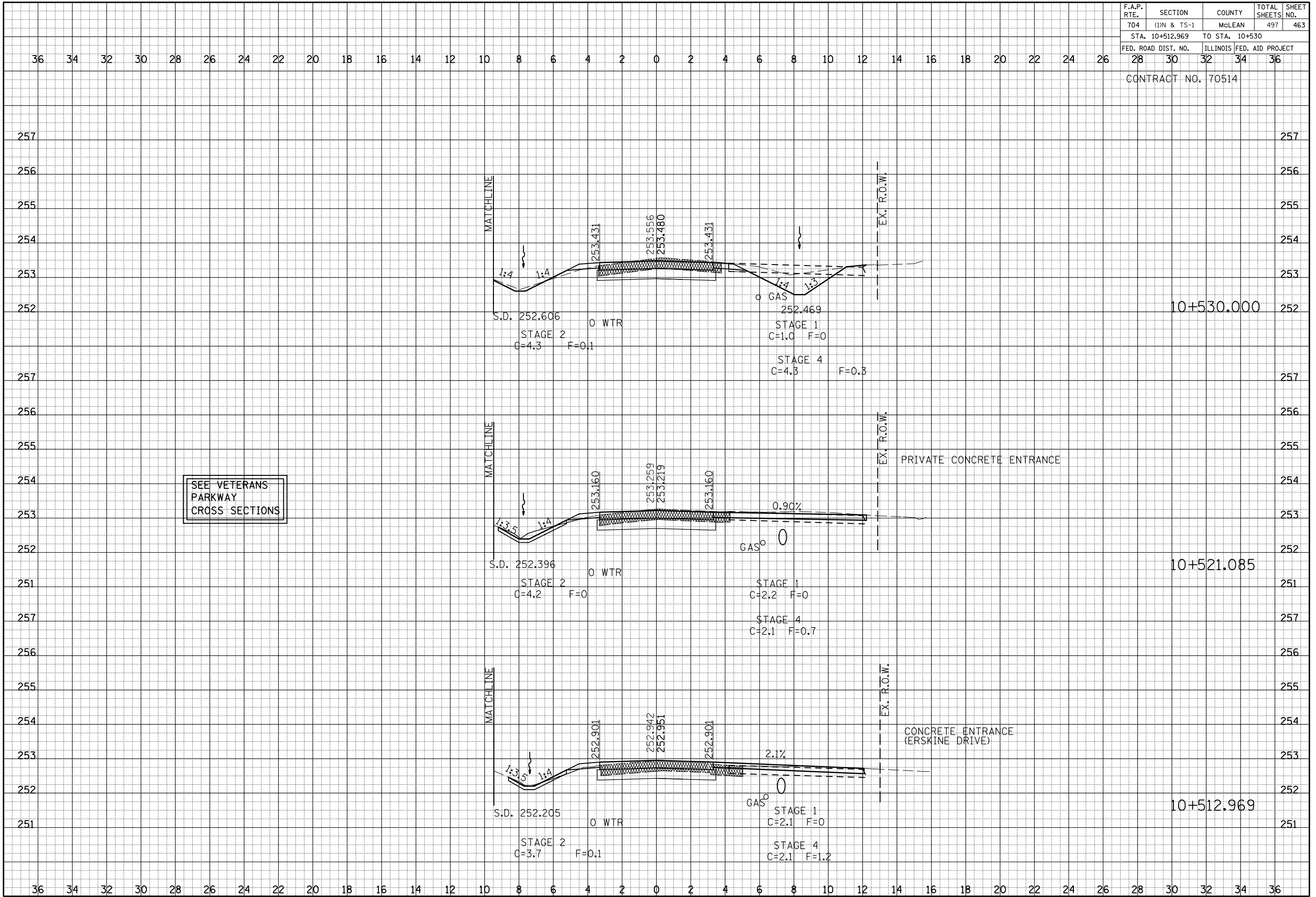


BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	
SURVEYED PLOTTED	
AREAS	
CHECKED	



GREENWOOD AVE. CROSS SECTIONS, STA. 10+490.000 TO STA. 10+500.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	MCLEAN	497	463
STA. 10+512.969 TO STA. 10+530				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				



BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
	AREAS CHECKED

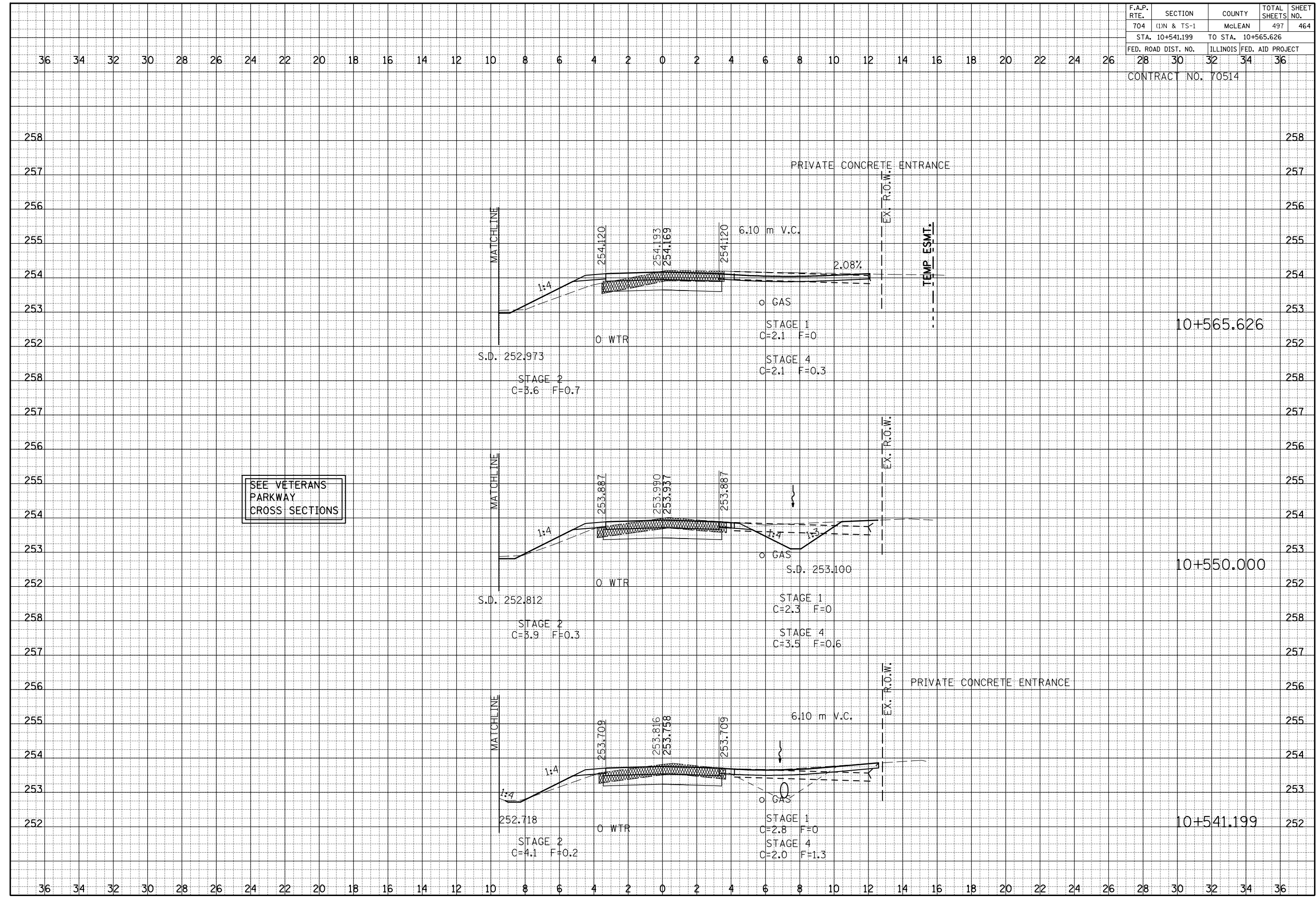
BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
	AREAS CHECKED

GREENWOOD AVE. CROSS SECTIONS, STA. 10+512.969 TO STA. 10+530.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	McLEAN	497	464
STA. 10+541.199 TO STA. 10+565.626				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

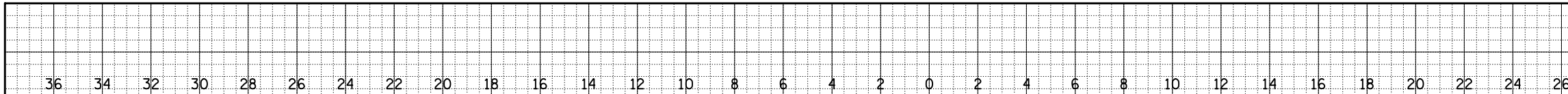
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



SEE VETERANS PARKWAY CROSS SECTIONS

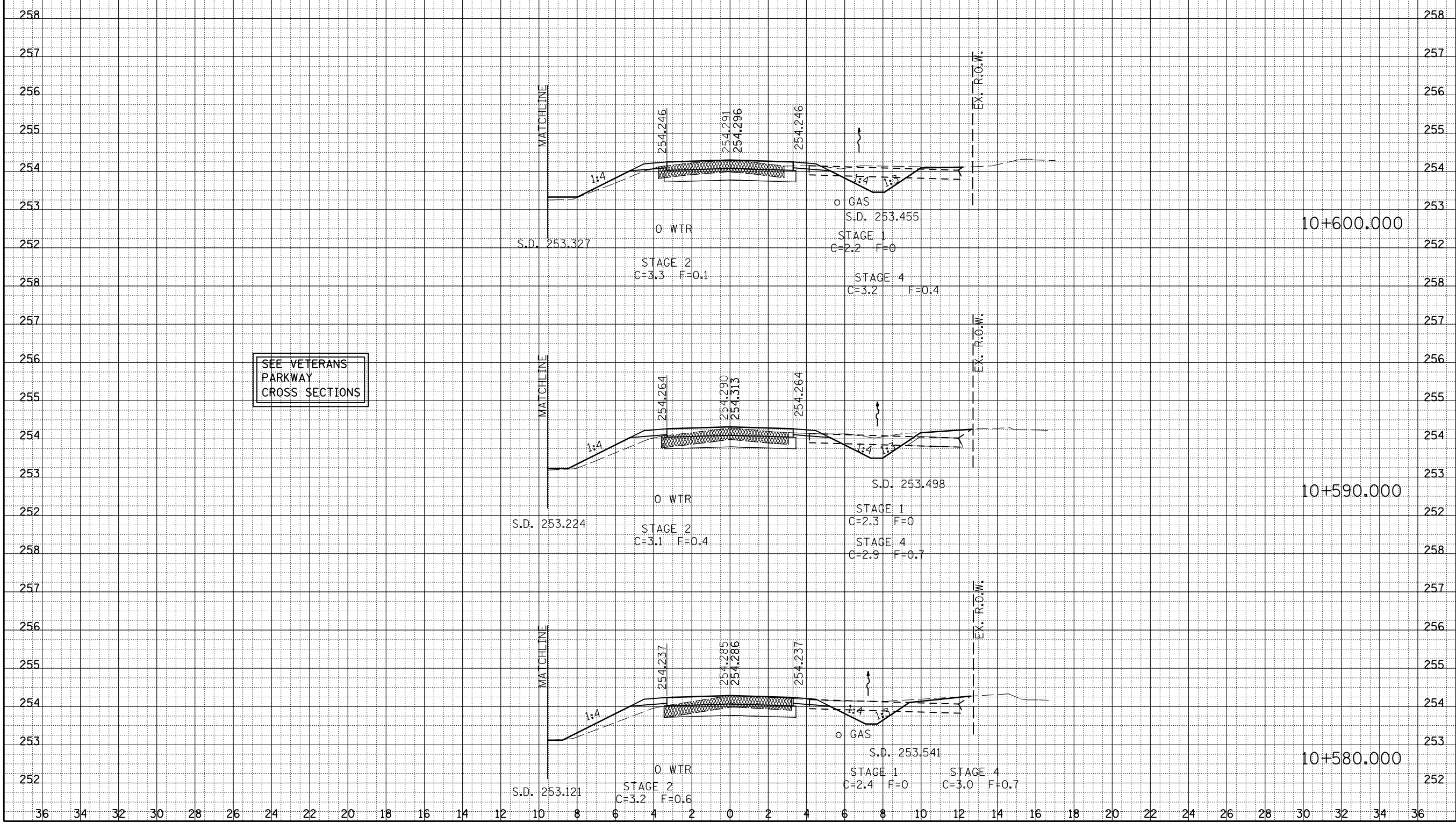
GREENWOOD AVE. CROSS SECTIONS, STA. 10+541.199 TO STA. 10+565.626

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1	McLEAN	497	465
STA. 10+580		TO STA. 10+600		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28		30 32 34 36		
CONTRACT NO. 70514				



BY	DATE

BY	DATE

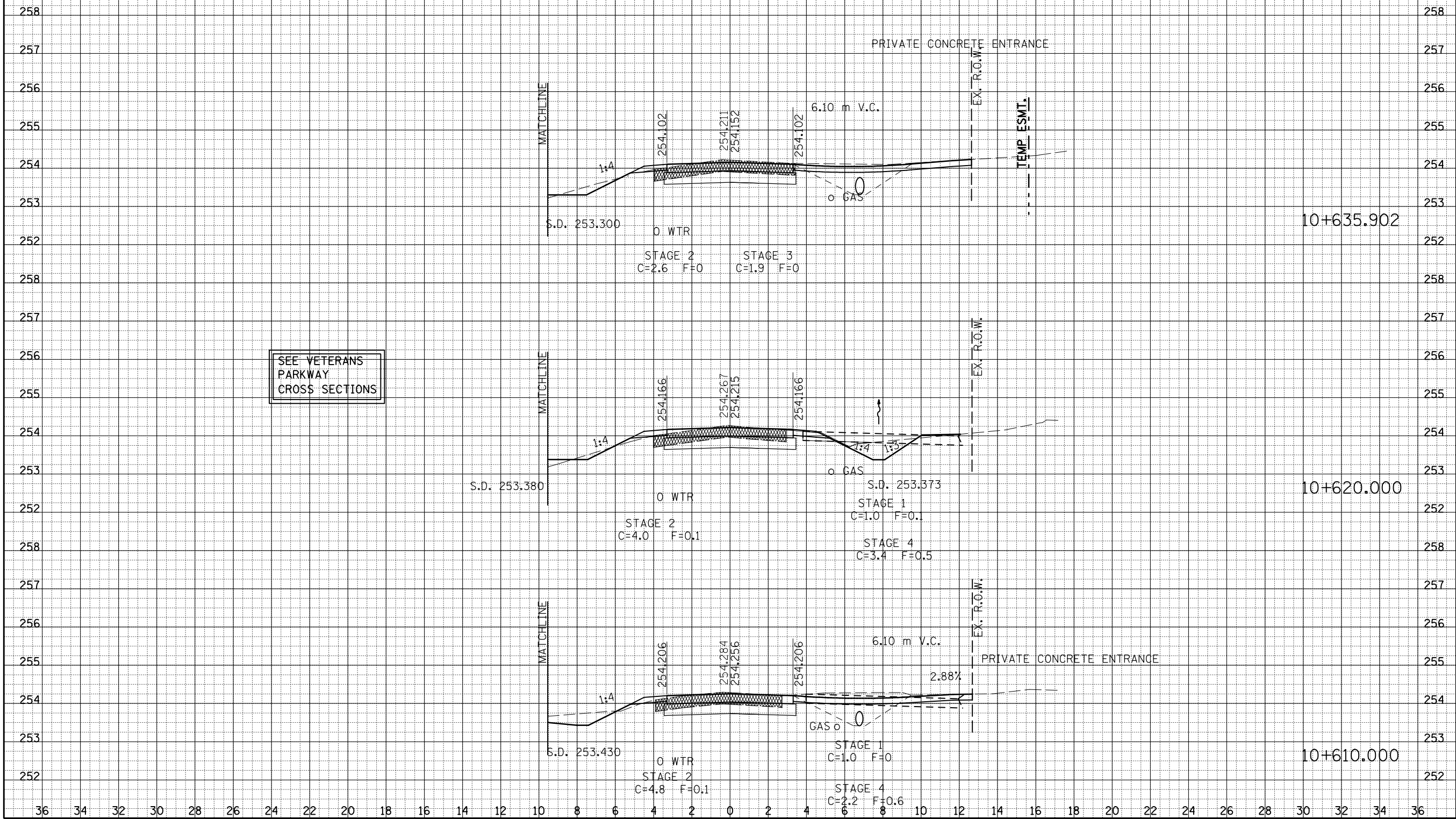


SEE VETERANS PARKWAY CROSS SECTIONS

GREENWOOD AVE. CROSS SECTIONS, STA. 10+580.000 TO STA. 10+600.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(LN & TS-1	McLEAN	497	466
STA. 10+610 TO STA. 10+635.902				
FED. ROAD DIST. NO. 28		ILLINOIS FED. AID PROJECT 30 32 34 36		
CONTRACT NO. 70514				

36 34 32 30 28 26 24 22 20 18 16 14 12 10 8 6 4 2 0 2 4 6 8 10 12 14 16 18 20 22 24 26



BY _____	DATE _____
SURVEYED _____	PLOTTED _____
NOTE BOOK _____	DATE _____
AREAS _____	AREAS CHECKED _____
NO. _____	

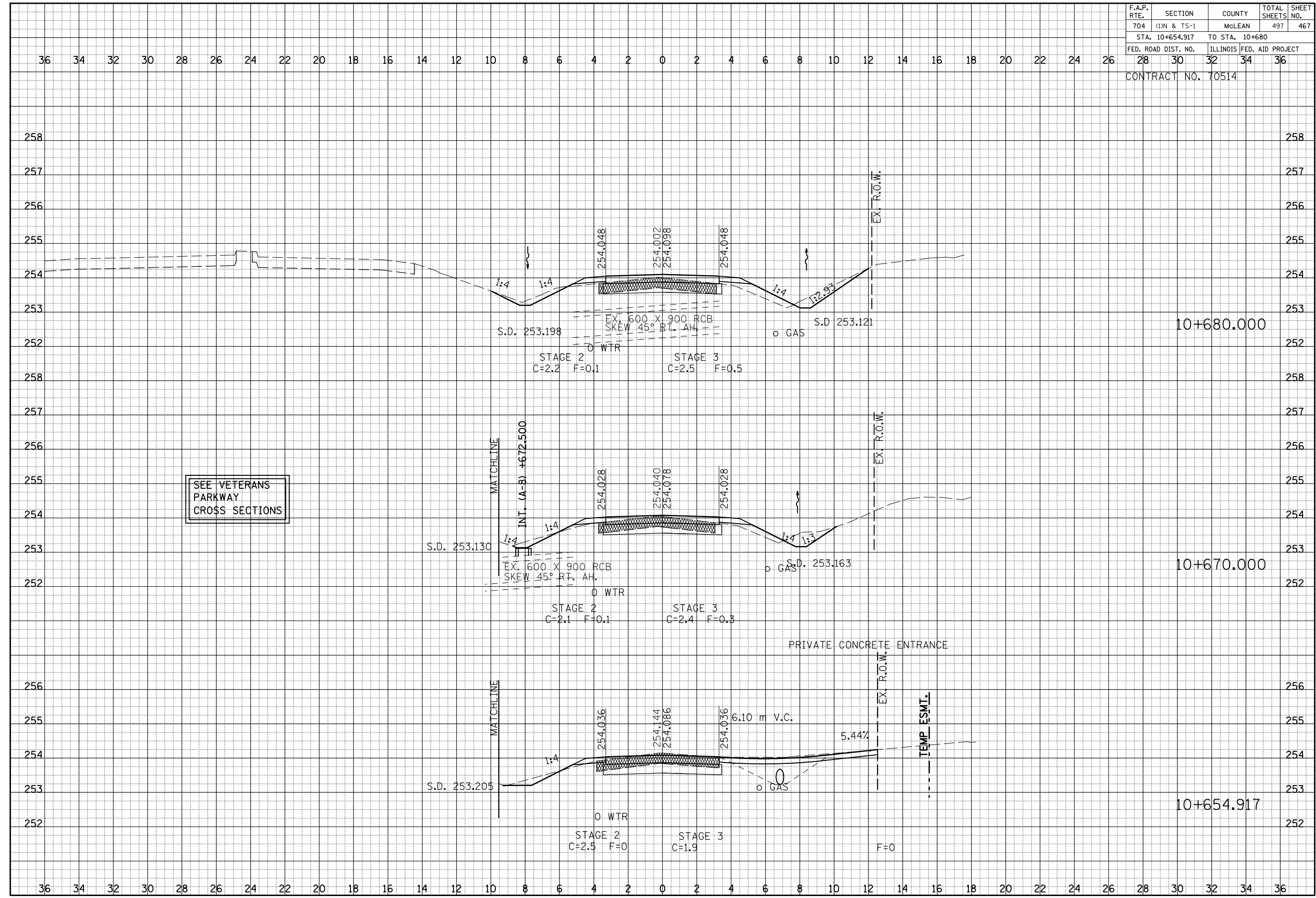
BY _____	DATE _____
SURVEYED _____	PLOTTED _____
NOTE BOOK _____	DATE _____
AREAS _____	AREAS CHECKED _____
NO. _____	

GREENWOOD AVE. CROSS SECTIONS, STA. 10+610.000 TO STA. 10+635.902

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(11N & TS-1)	MCLEAN	497	467
STA. 10+654.917		TO STA. 10+680		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28		30 32 34 36		
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	

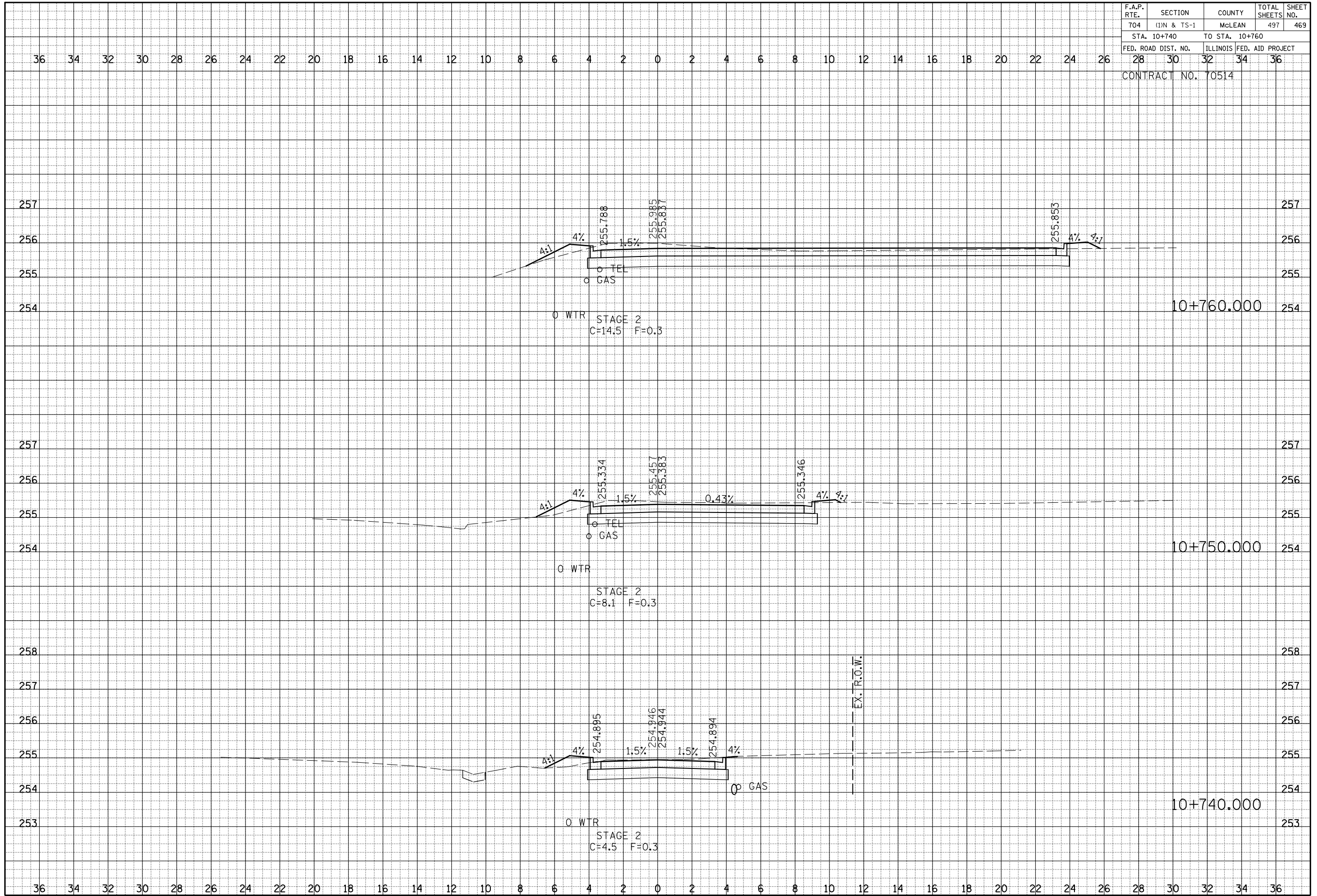


GREENWOOD AVE. CROSS SECTIONS, STA. 10+654.917 TO STA. 10+680.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	469
STA. 10+740			TO STA. 10+760	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS
	CHECKED

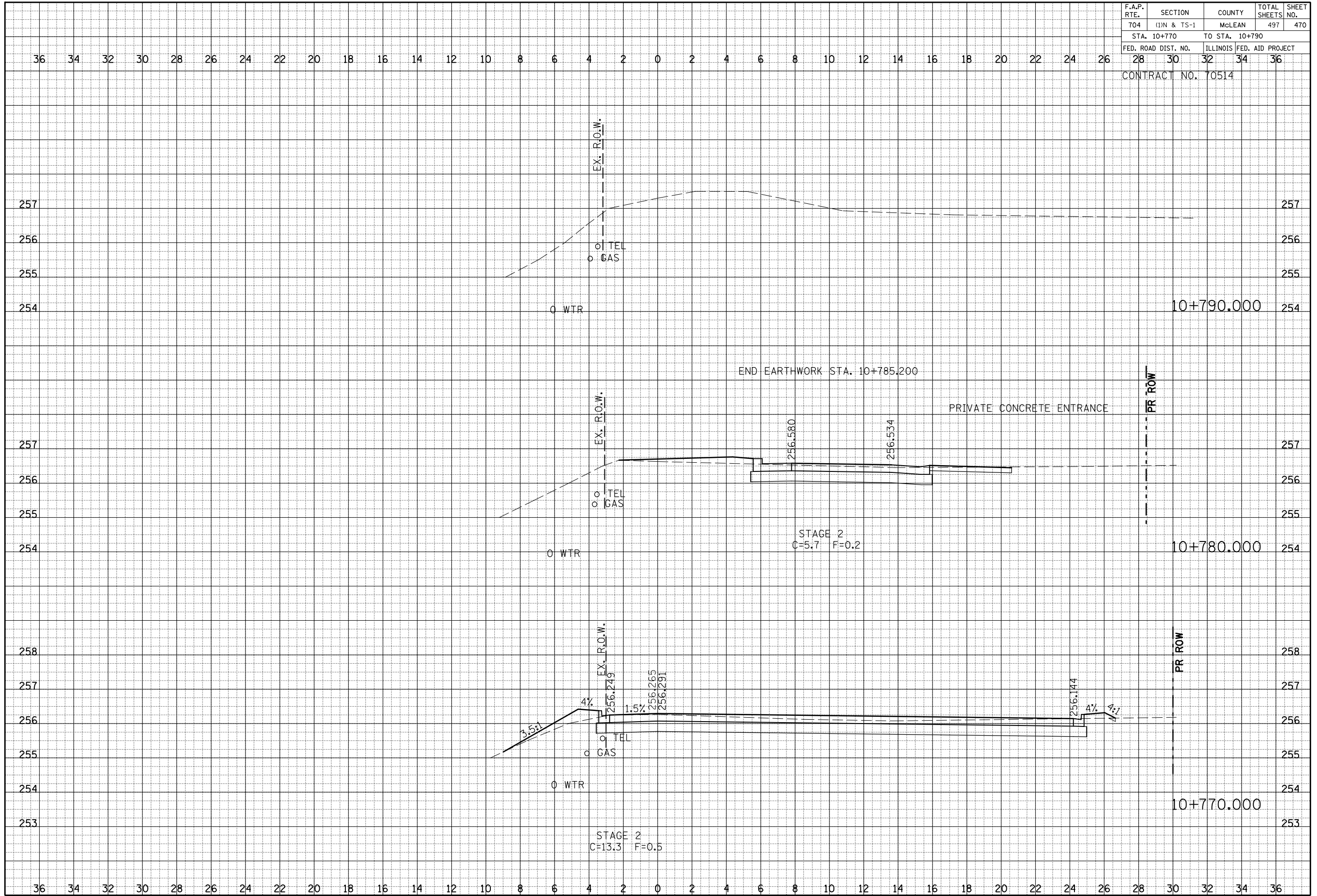


GREENWOOD AVE. CROSS SECTIONS, STA. 10+740.000 TO STA. 10+760.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	470
STA. 10+770			TO STA. 10+790	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28		30		
CONTRACT NO. 70514				

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	

BY	DATE
ORIGINAL SURVEY	PLOTTED
NOTE BOOK	DATE
AREAS	CHECKED
NO.	



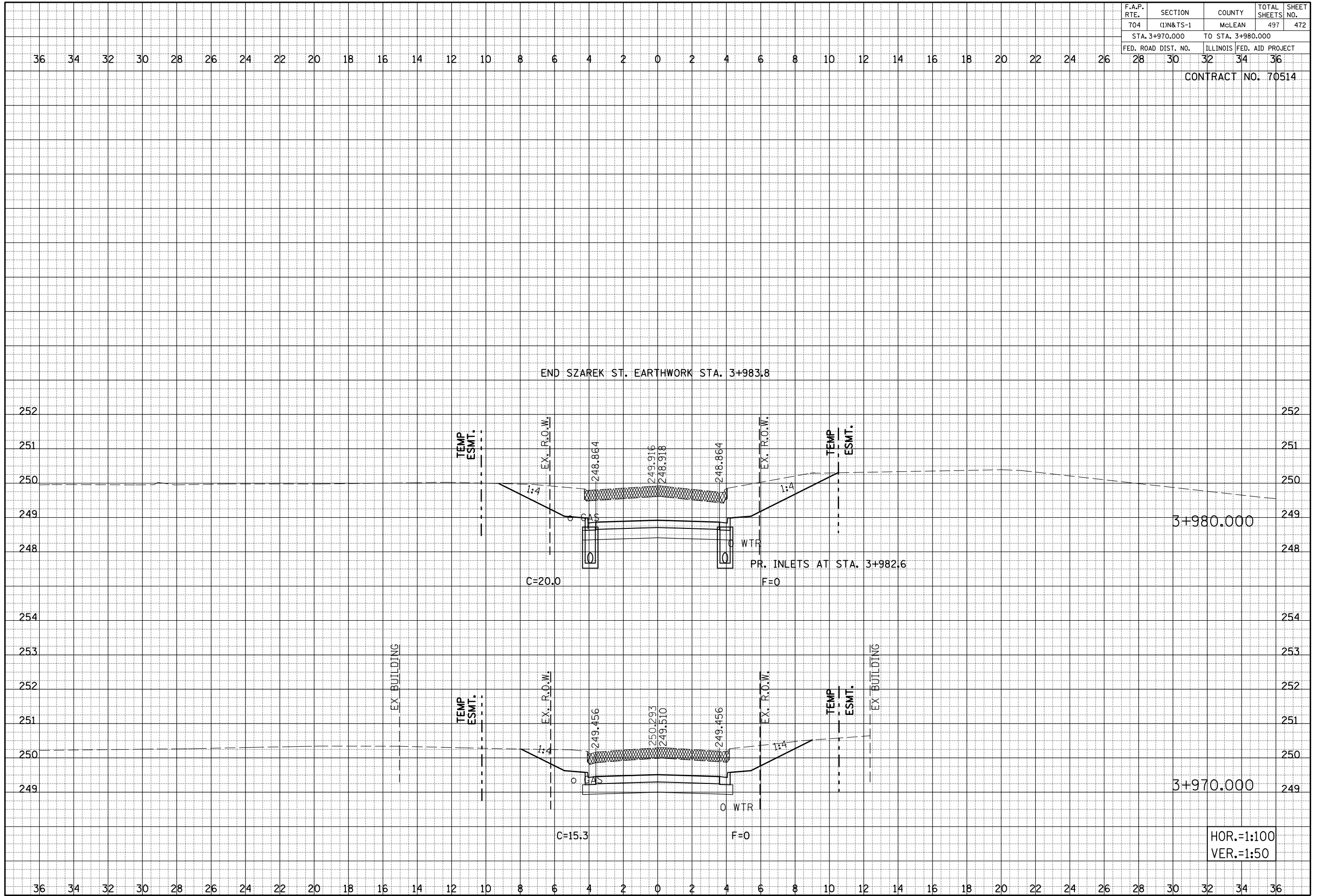
GREENWOOD AVE. CROSS SECTIONS, STA. 10+770.000 TO STA. 10+790.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	472
STA. 3+970.000 TO STA. 3+980.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28 30 32 34 36				

CONTRACT NO. 70514

BY _____	DATE _____
FINL SURVY NOTE BOOK NO. _____	SURVEYED PLOTTED AREAS CHECKED _____

BY _____	DATE _____
ORIGINAL SURVY NOTE BOOK NO. _____	SURVEYED PLOTTED AREAS CHECKED _____



SZAREK STREET CROSS SECTIONS, STA. 3+970.000 TO STA. 3+980.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	473

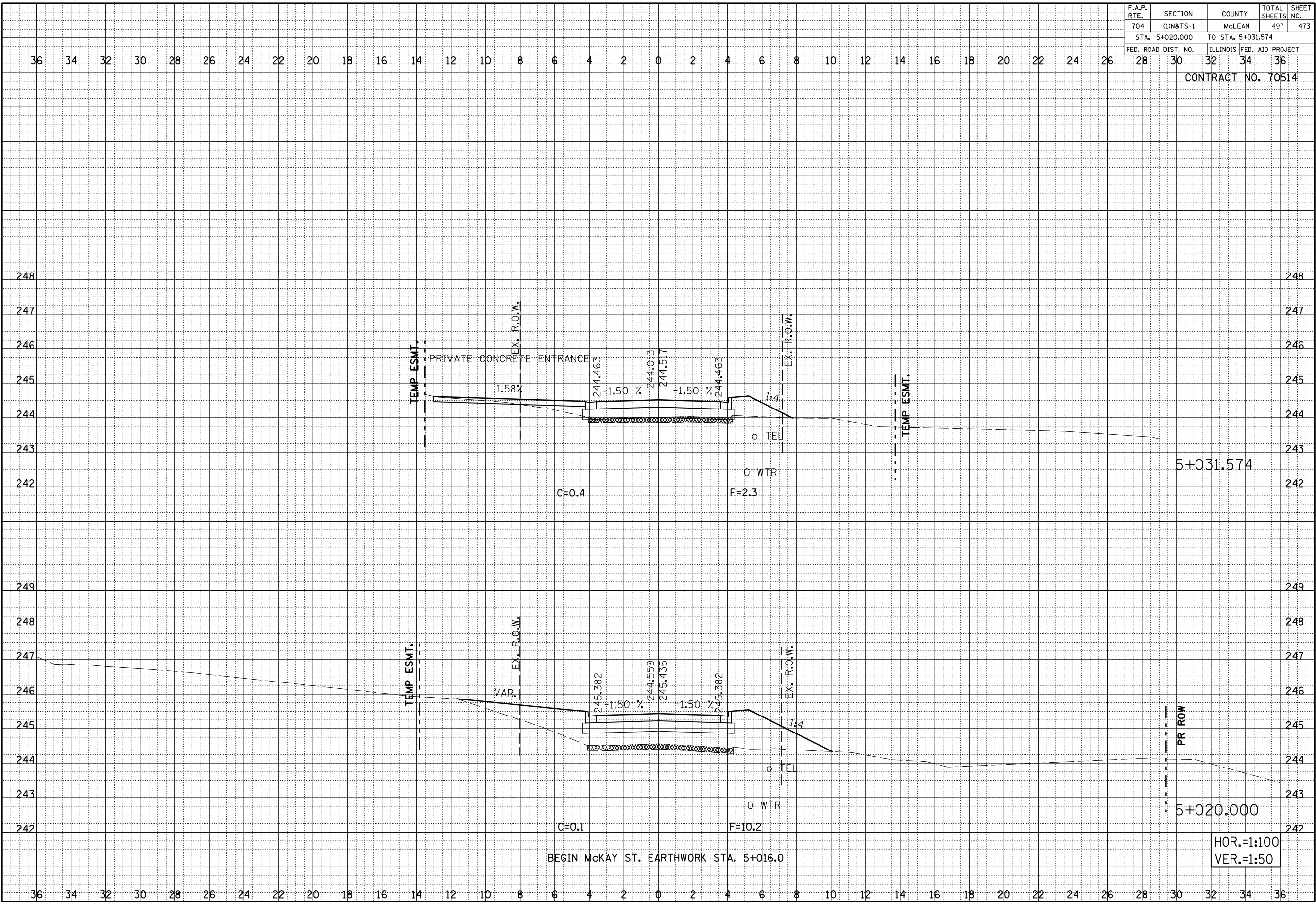
STA. 5+020.000	TO STA. 5+031.574
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FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
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CONTRACT NO. 70514

BY	DATE

BY	DATE



HOR.=1:100
VER.=1:50

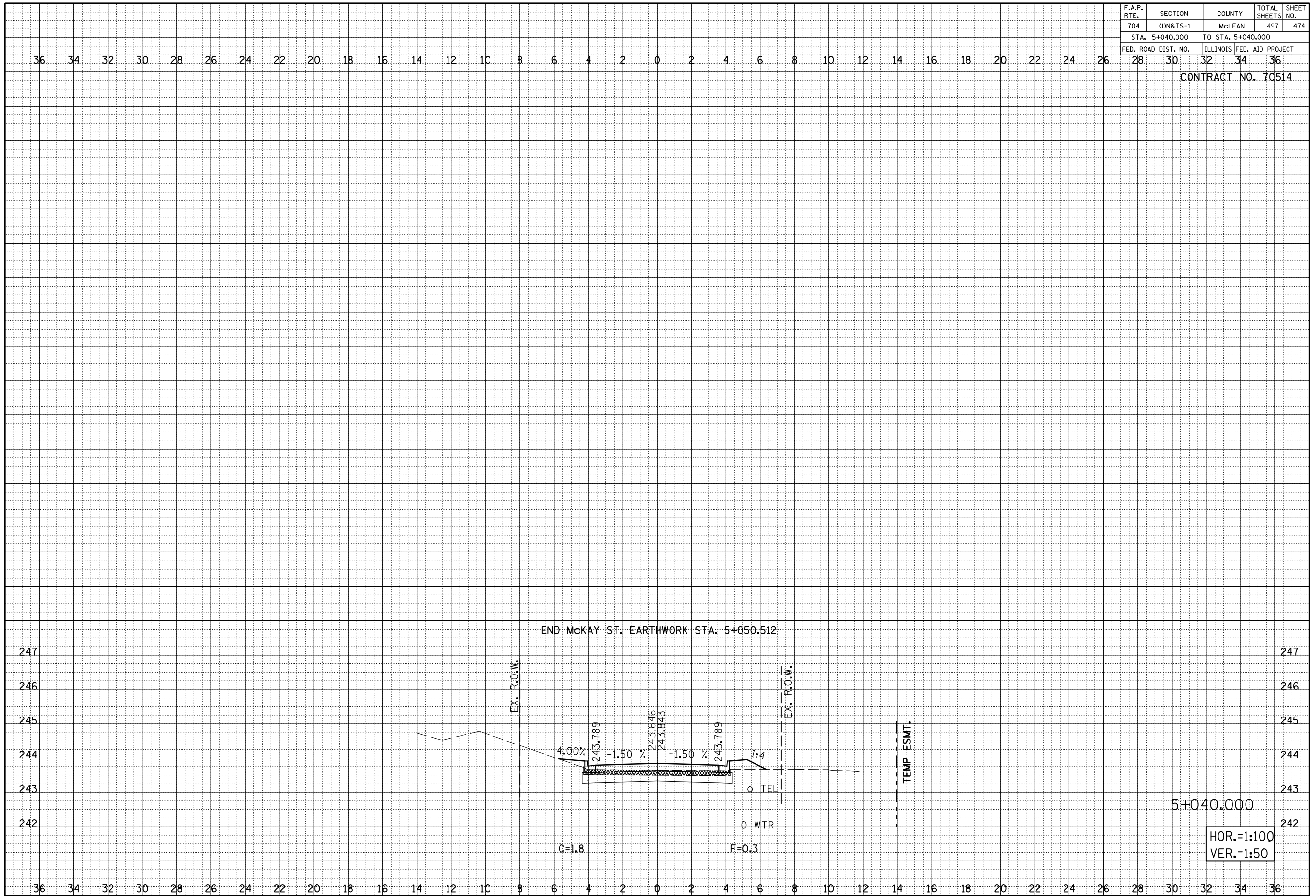
MCKAY STREET CROSS SECTIONS, STA. 5+020.000 TO STA. 5+031.574

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N&TS-1	McLEAN	497	474
STA. 5+040.000 TO STA. 5+040.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36

CONTRACT NO. 70514

BY	DATE
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED

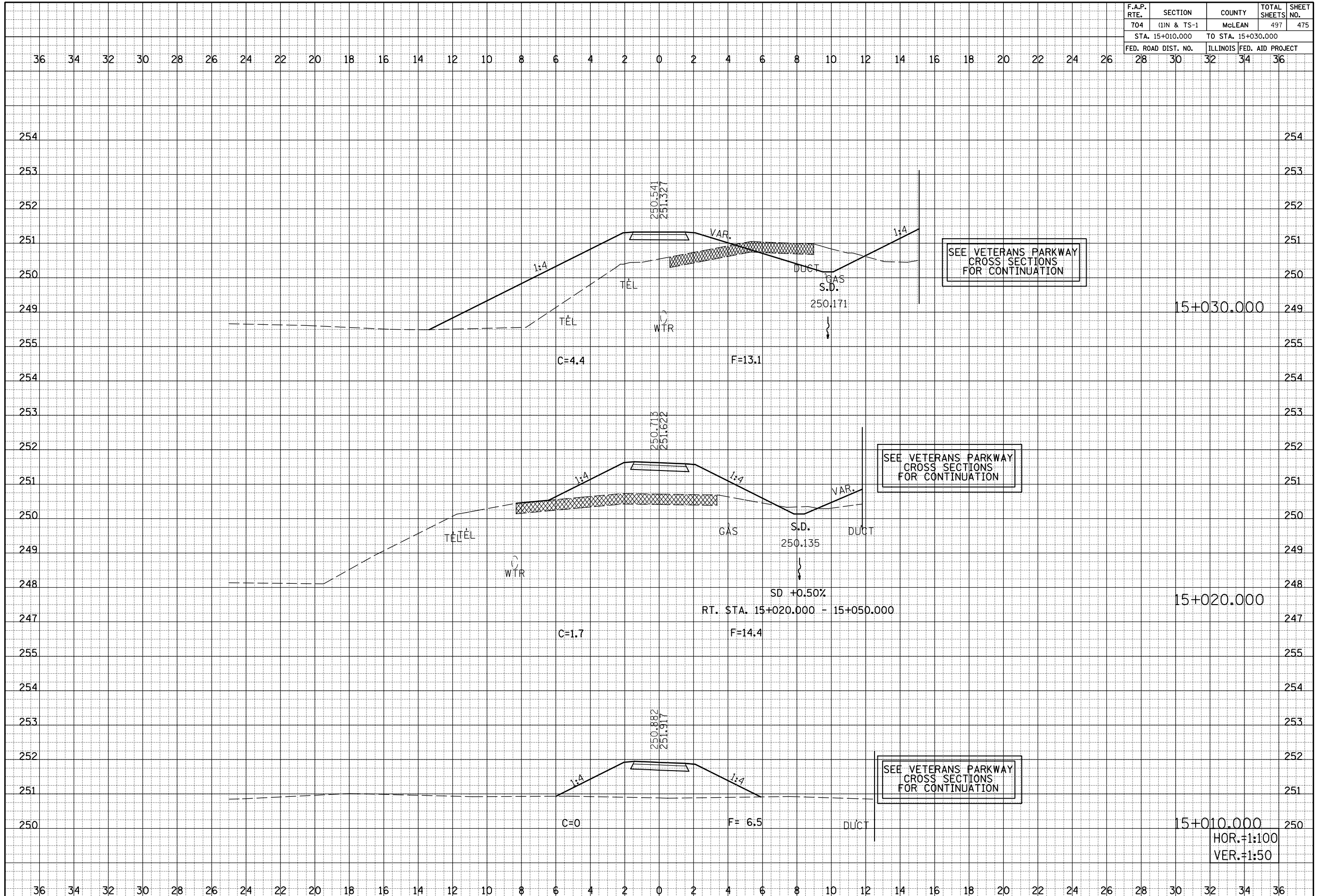
BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	MCLEAN	497	475
STA. 15+010.000			TO STA. 15+030.000	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
	28	30	32	34

BY	DATE

BY	DATE

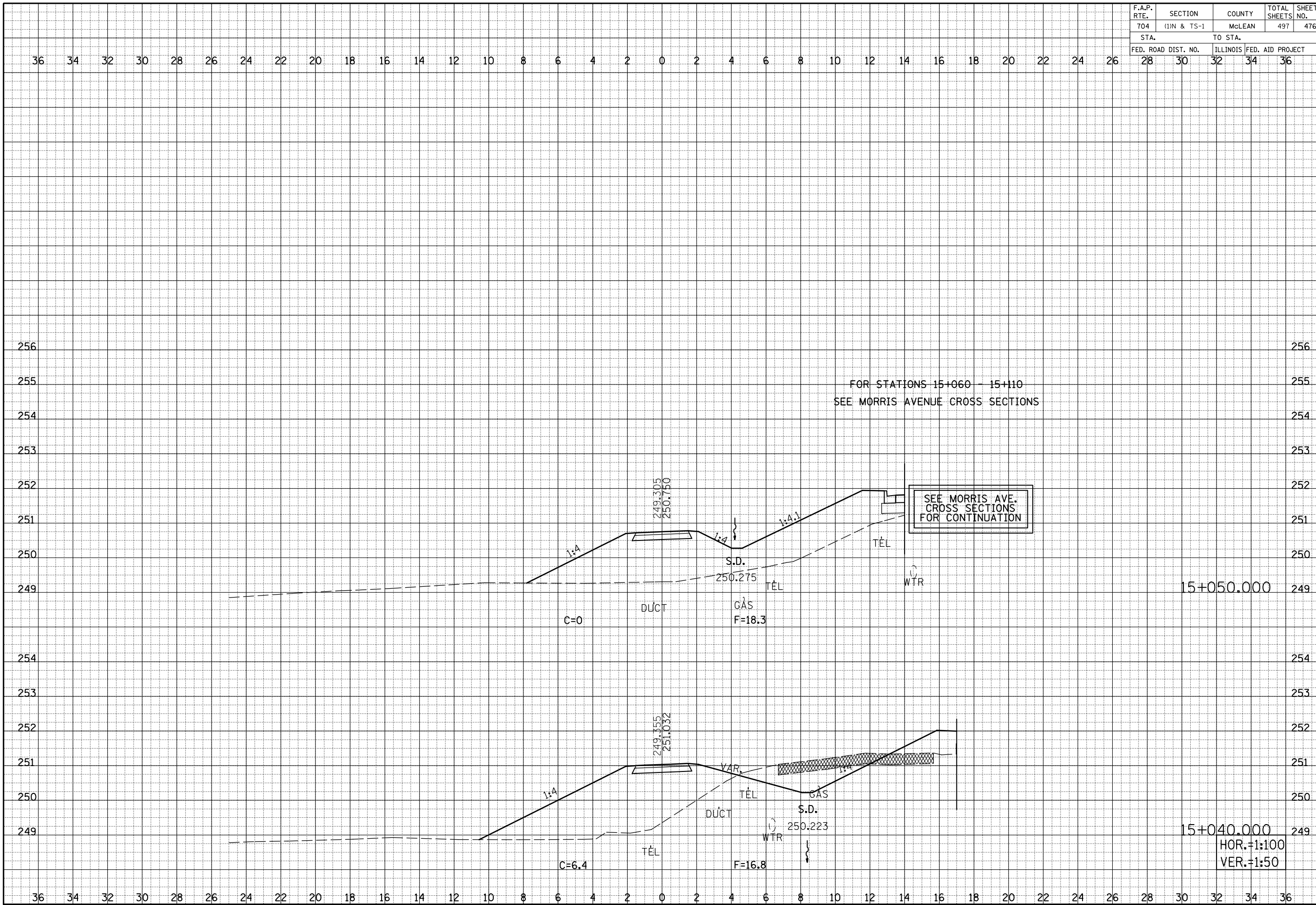


RECREATIONAL TRAIL, CROSS SECTIONS, STA. 15+010.000 TO STA. 15+030.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	476

STA.	TO STA.
28	36

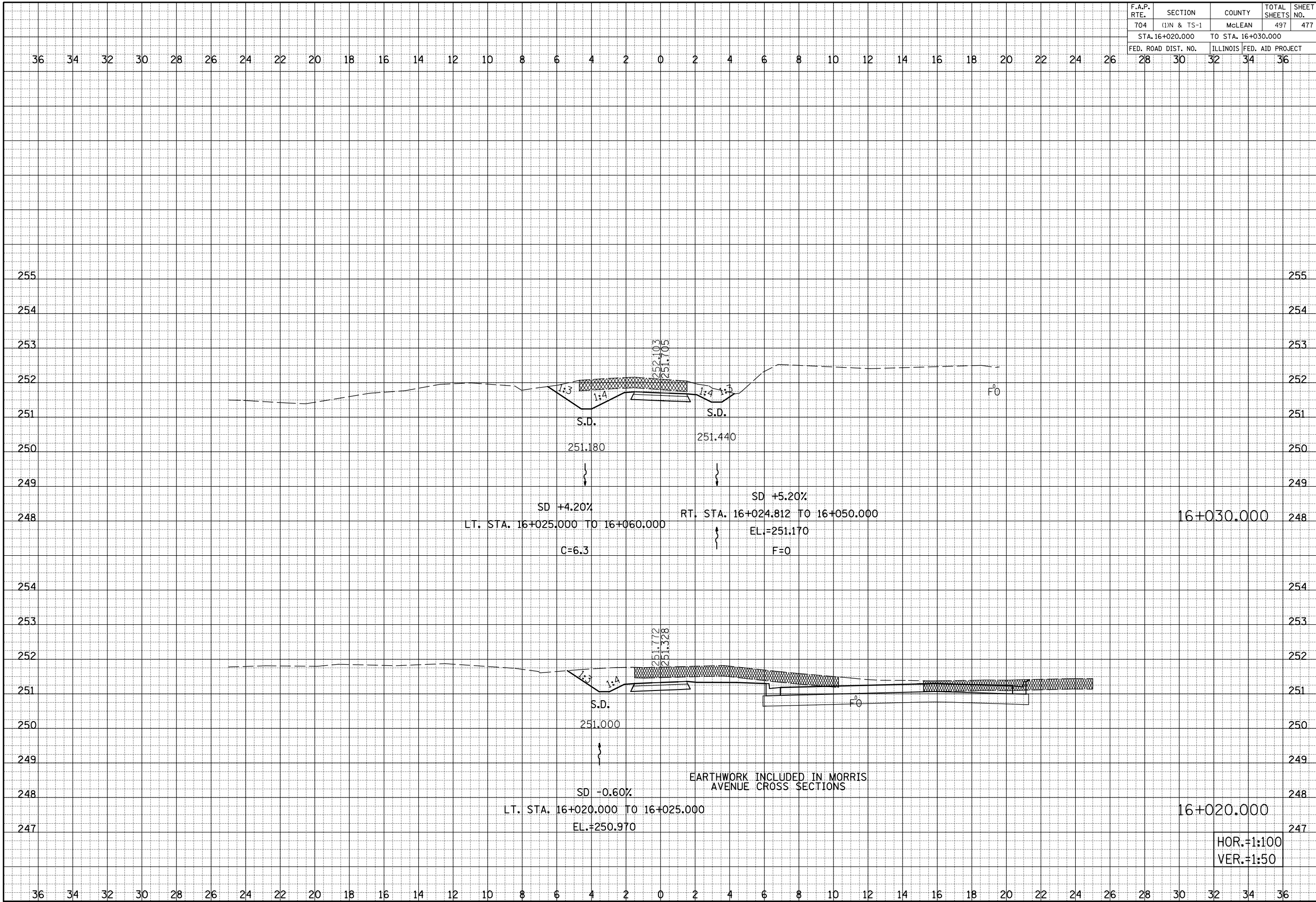
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
28	30	32



BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	SAVED PLOTTED DATE _____
SURVEYED AREAS _____	PLOTTED AREAS _____
PLOTTED AREAS _____	CHECKED AREAS _____

BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	SAVED PLOTTED DATE _____
SURVEYED AREAS _____	PLOTTED AREAS _____
PLOTTED AREAS _____	CHECKED AREAS _____

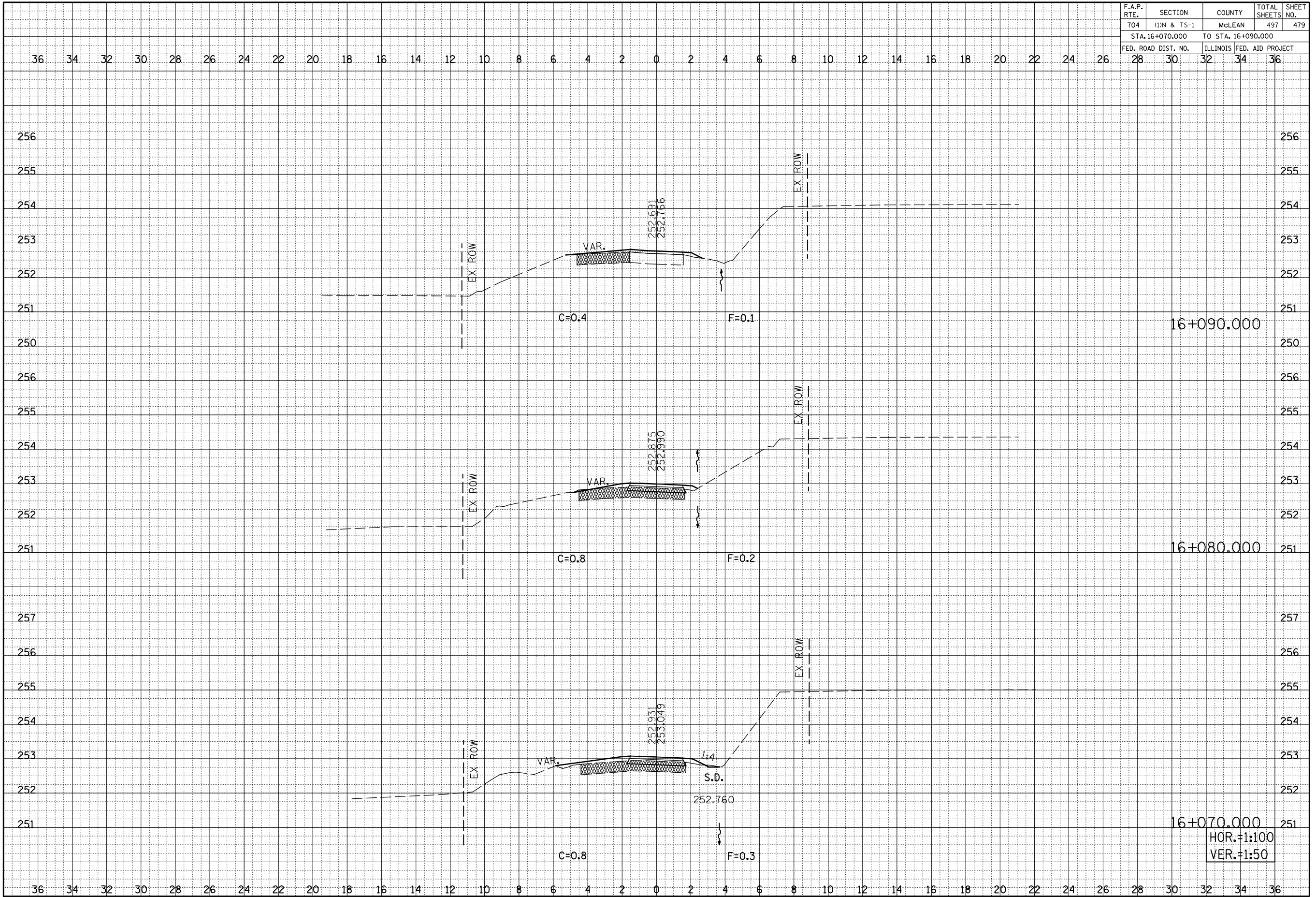
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	477
STA. 16+020.000 TO STA. 16+030.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36



BY _____	DATE _____
FINAL SURVEY NOTE BOOK NO. _____	SURVEYED PLOTTED AREAS CHECKED _____

BY _____	DATE _____
ORIGINAL SURVEY NOTE BOOK NO. _____	PLOTTED PLOTTED AREAS CHECKED _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	479
STA. 16+070.000 TO STA. 16+090.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36

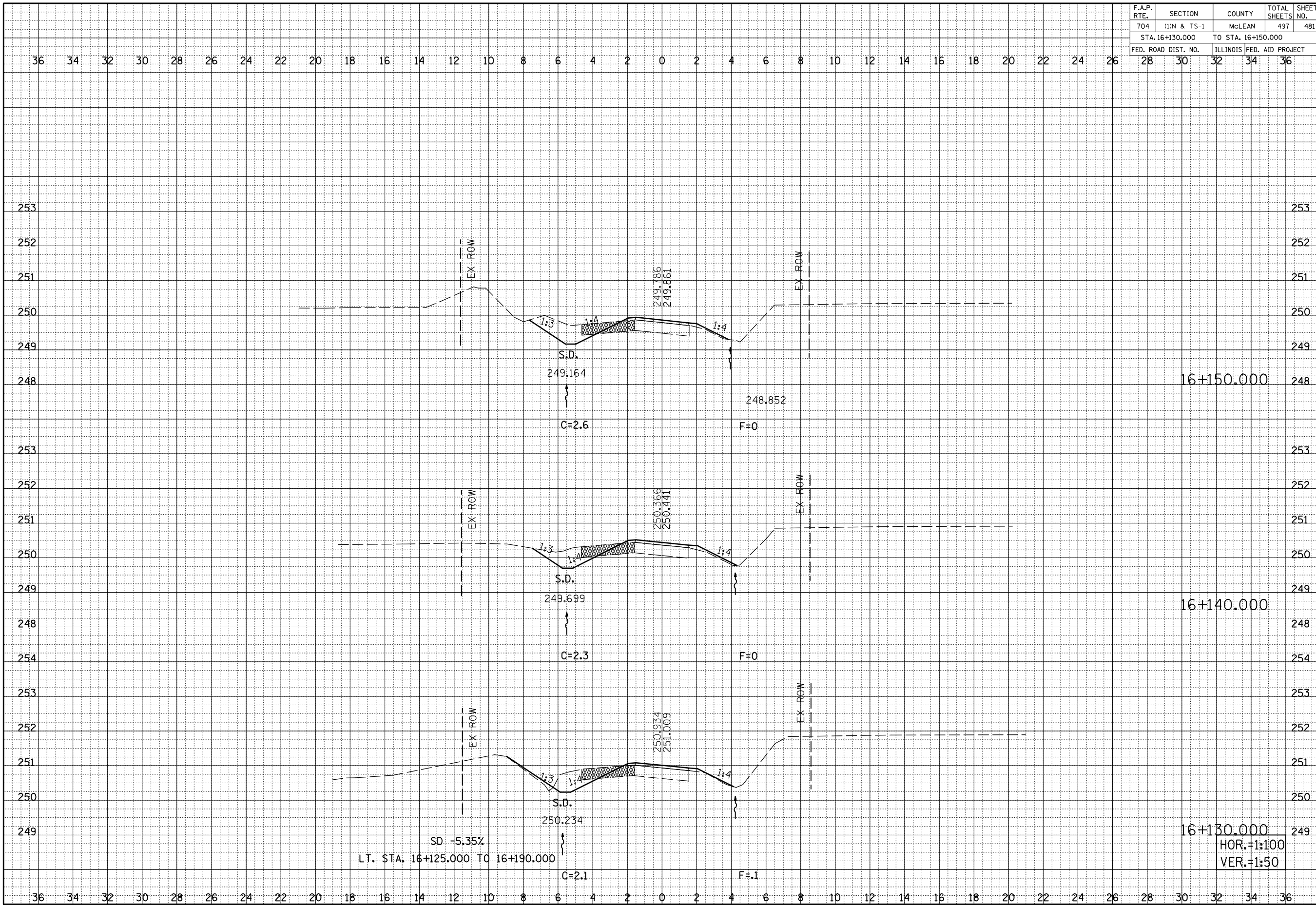


16+070.000
 HOR.=1:100
 VER.=1:50

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS	BY	DATE
NOTE BOOK NO.	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS	BY	DATE
NOTE BOOK NO.	AREAS CHECKED		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	481
STA. 16+130.000 TO STA. 16+150.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

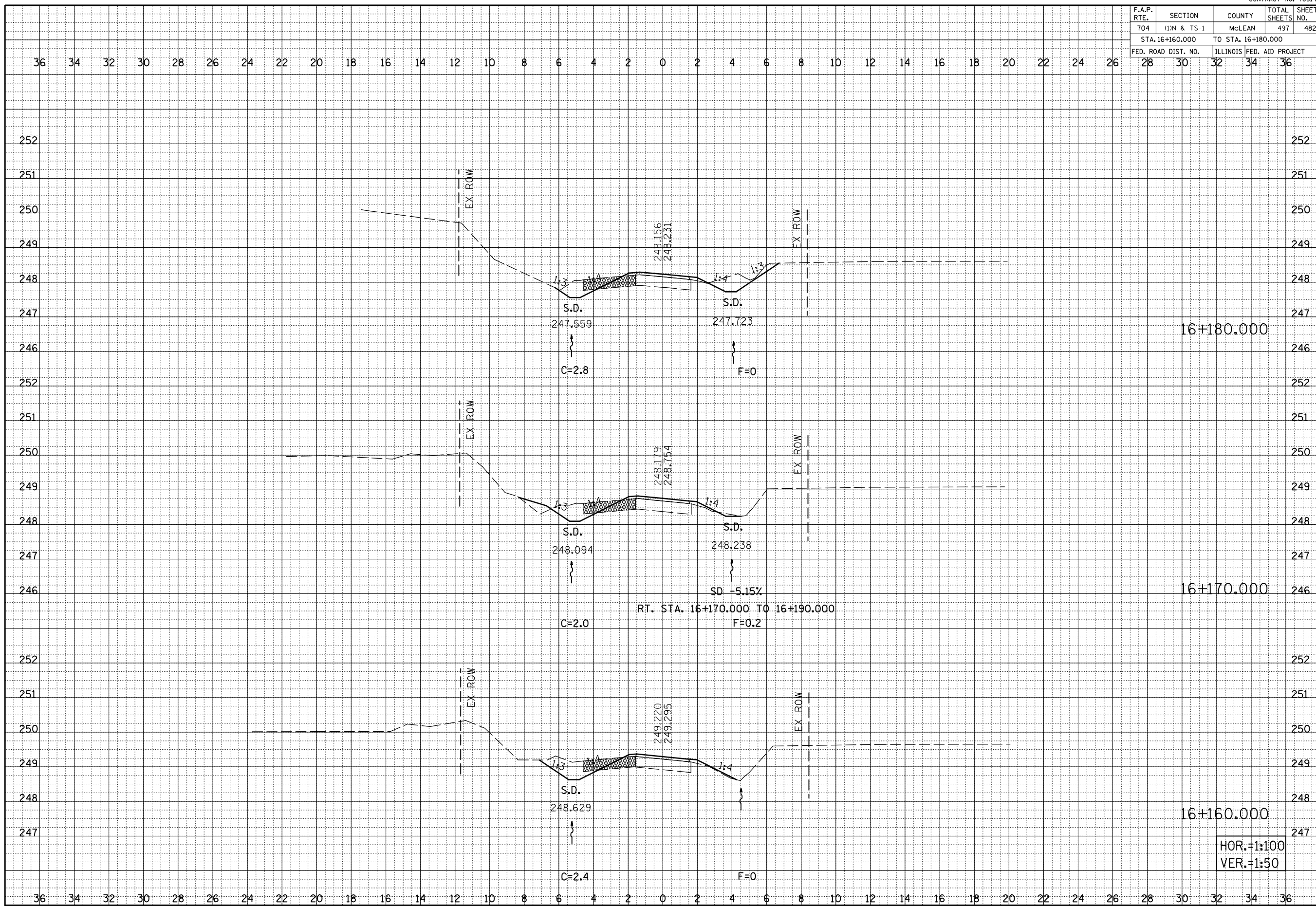


BY	DATE

BY	DATE

RECREATIONAL TRAIL, CROSS SECTIONS, STA. 16+130.000 TO STA. 16+150.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	482
STA. 16+160.000 TO STA. 16+180.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36



BY: _____ DATE: _____

FINAL SURVEY PLOTTED IN DATE _____

NOTE BOOK NO. _____ AREAS CHECKED _____

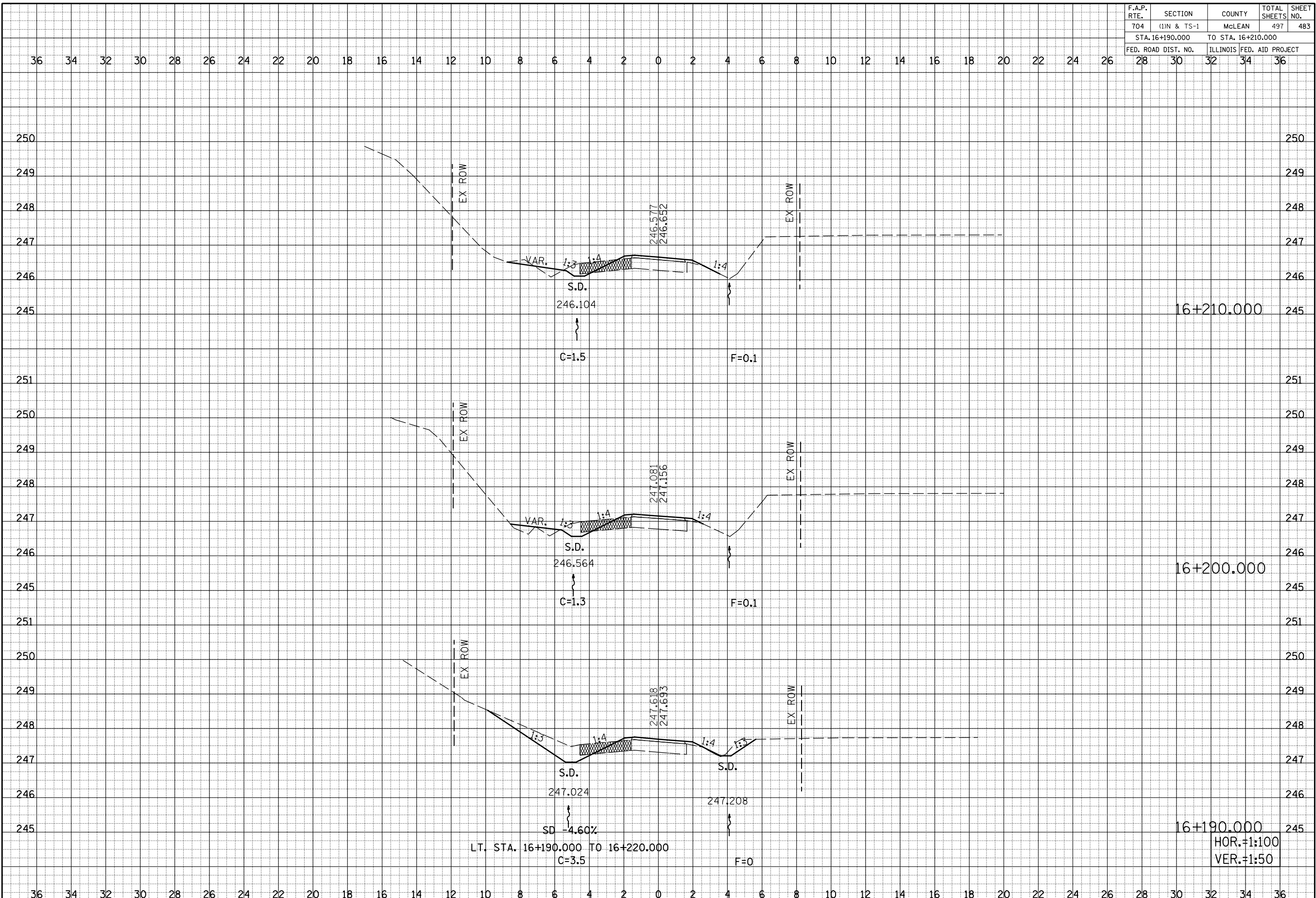
BY: _____ DATE: _____

ORIGINAL SURVEY PLOTTED IN DATE _____

NOTE BOOK NO. _____ AREAS CHECKED _____

HOR.=1:100
VER.=1:50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	483
STA. 16+190.000 TO STA. 16+210.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
28	30	32	34	36



BY	DATE

BY	DATE

RECREATIONAL TRAIL, CROSS SECTIONS, STA. 16+190.000 TO STA. 16+210.000

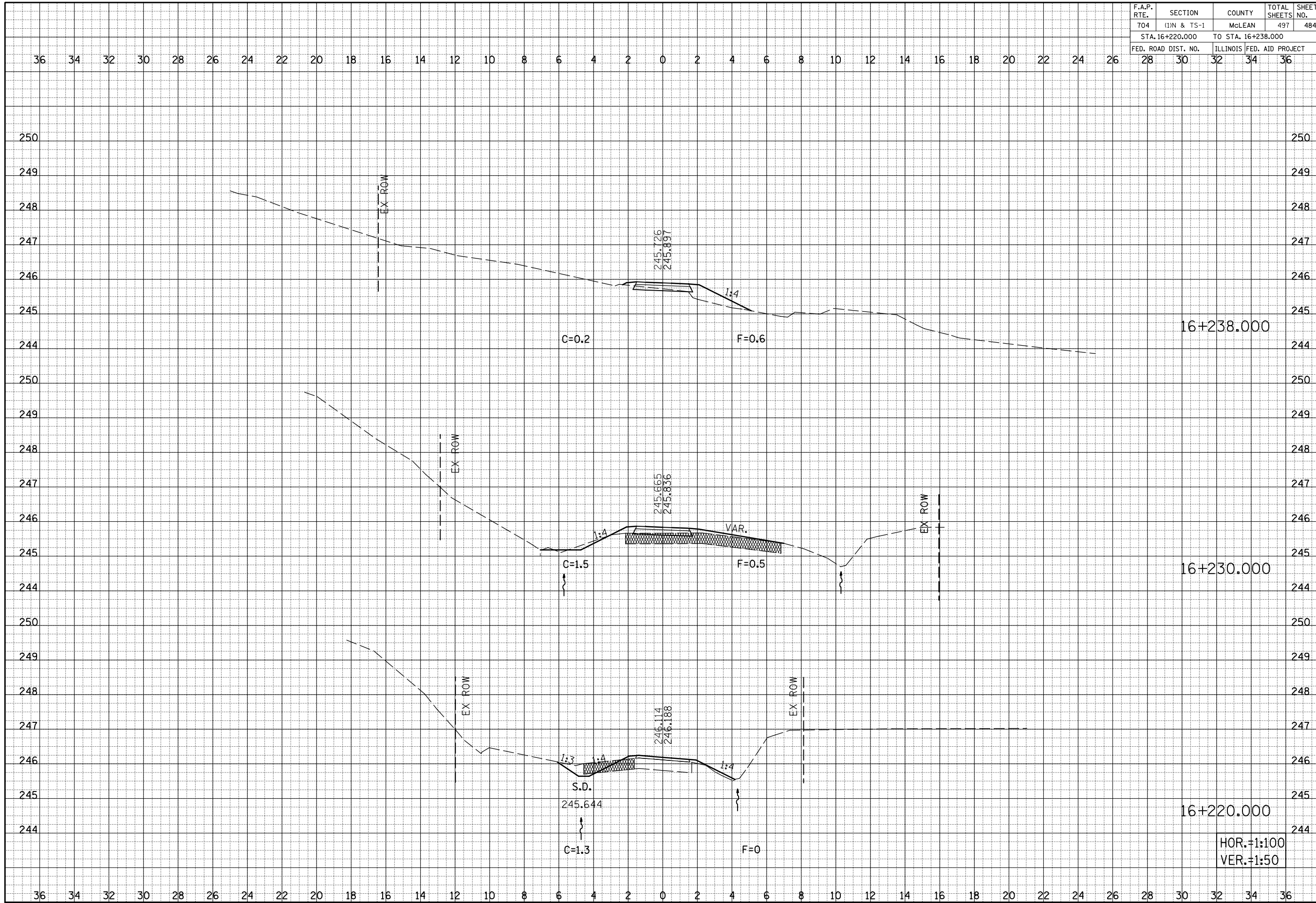
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	484
STA. 16+220.000 TO STA. 16+238.000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK NO.	
AREAS	
CHECKED	

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	
AREAS	
CHECKED	



RECREATIONAL TRAIL, CROSS SECTIONS, STA. 16+220.000 TO STA. 16+238.000

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T04	(LIN&TS-1	McLEAN	497	485A
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				

City of Bloomington Water Main work

FUNDING BREAKOUT = 100% CITY
CONSTRUCTION CODE = 0043

Code No.	Pay Item	Unit	Quantity
*	M5610430	DUCTILE IRON WATER MAIN, 300mm	METER 684
*		DUCTILE IRON WATER MAIN, 300mm (RESTRAINED JOINT)	METER 122
*		DUCTILE IRON WATER MAIN, 300mm (ENCASED)	METER 125
*	M5610420	DUCTILE IRON WATER MAIN, 200mm	METER 297
*		DUCTILE IRON WATER MAIN, 200mm (RESTRAINED JOINT)	METER 15
*		DUCTILE IRON WATER MAIN, 200mm (ENCASED)	METER 13
*	M5610415	DUCTILE IRON WATER MAIN, 150mm	METER 51
*		DUCTILE IRON WATER MAIN, 150mm (RESTRAINED JOINT)	METER 69
*		WATER SERVICE, TYPE "K" COPPER, 25mm DIA	METER 300
*		TAPPING SLEEVE VALVE 150mm x 150mm	EACH 3
*		SAMPLING AND CHLORINATION TAP 20 m	EACH 9
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm PLUG	EACH 3
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm PLUG	EACH 2
*		DUCTILE IRON WATER MAIN FITTINGS, 150mm PLUG	EACH 2
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm x 300mm TEE	EACH 5
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm x 150mm TEE	EACH 9
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm x 200mm TEE	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm x 200mm TEE	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm x 150mm TEE	EACH 3
*		DUCTILE IRON WATER MAIN FITTINGS, 150mm x 150mm TEE	EACH 3
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm x 150mm REDUCER	EACH 3
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm x 150mm REDUCER	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 150mm x 50mm REDUCER	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm 90 DEGREE BEND	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm 45 DEGREE BEND	EACH 5
*		DUCTILE IRON WATER MAIN FITTINGS, 300mm 22 1/2 DEGREE BEND	EACH 2
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm 45 DEGREE BEND	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 200mm 22 1/2 DEGREE BEND	EACH 1
*		DUCTILE IRON WATER MAIN FITTINGS, 150mm 90 DEGREE BEND	EACH 2
*	MX033786	GATE VALVE AND BOX, 300mm	EACH 20
*		GATE VALVE AND BOX, 200mm	EACH 7
*		GATE VALVE AND BOX, 150mm	EACH 17
*		FIRE HYDRANT, CLOW F-2500	EACH 12
*		CURB STOP BOX FOR 20mm SERVICE	EACH 15
*	M5620210	CORPORATION STOP FOR 20mm SERVICE	EACH 15
		CURB STOP BOX FOR 50mm SERVICE	EACH 1
	M5620235	CORPORATION STOP FOR 50mm SERVICE	EACH 1
	XX006584	REMOVE CURB STOP BOX	EACH 16
	X0323449	REMOVE WATER VALVE	EACH 16
	X0327078	REMOVE FIRE HYDRANT AND VALVE ASSEMBLY	EACH 10

REVISIONS	
NAME	DATE

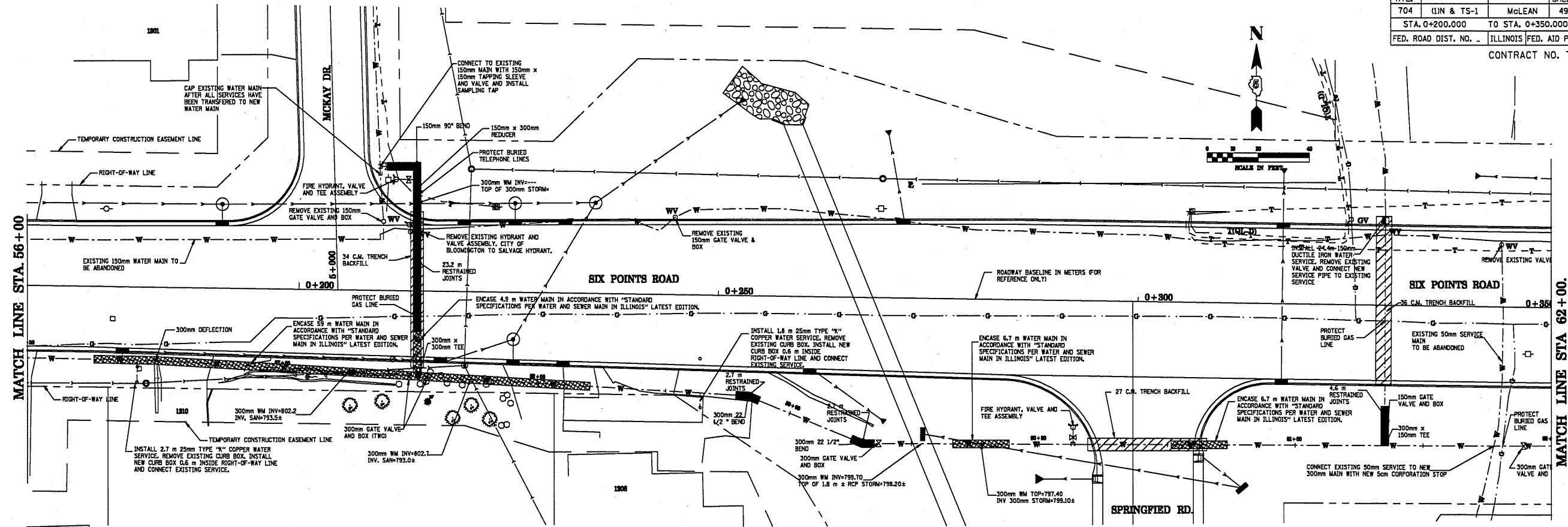
ILLINOIS DEPARTMENT OF TRANSPORTATION

CITY OF BLOOMINGTON
WATER MAIN
SUMMARY OF QUANTITIES

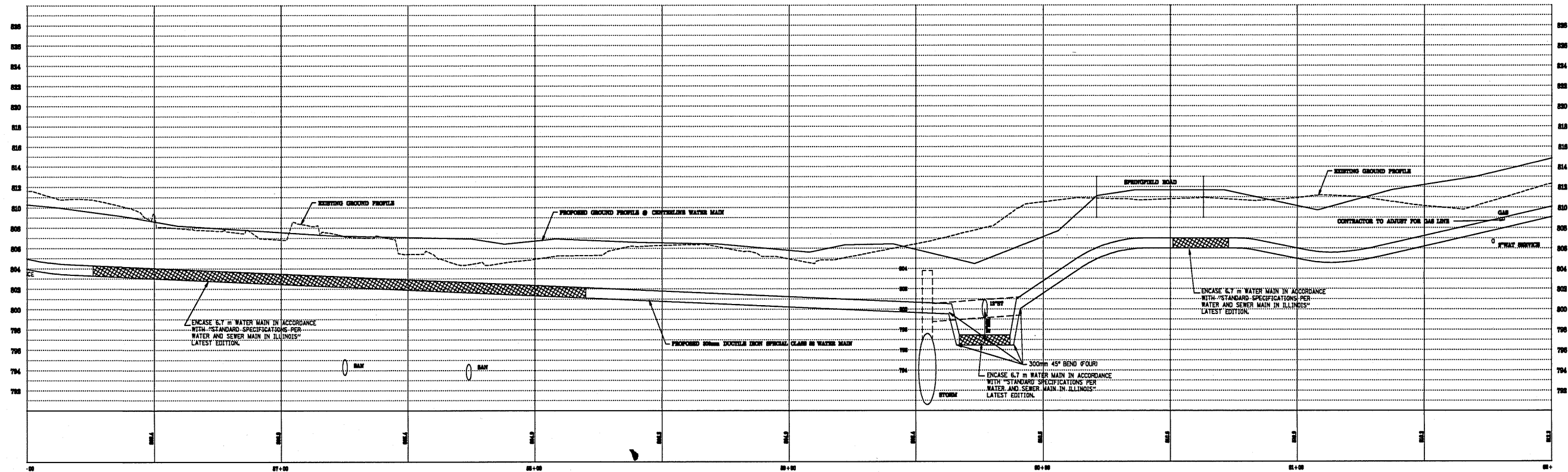
DRAWN BY
05-27-09
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & T5-1	McLEAN	497	487
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				

BY	DATE
FINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
AREAS AS CHECKED	
NO.	

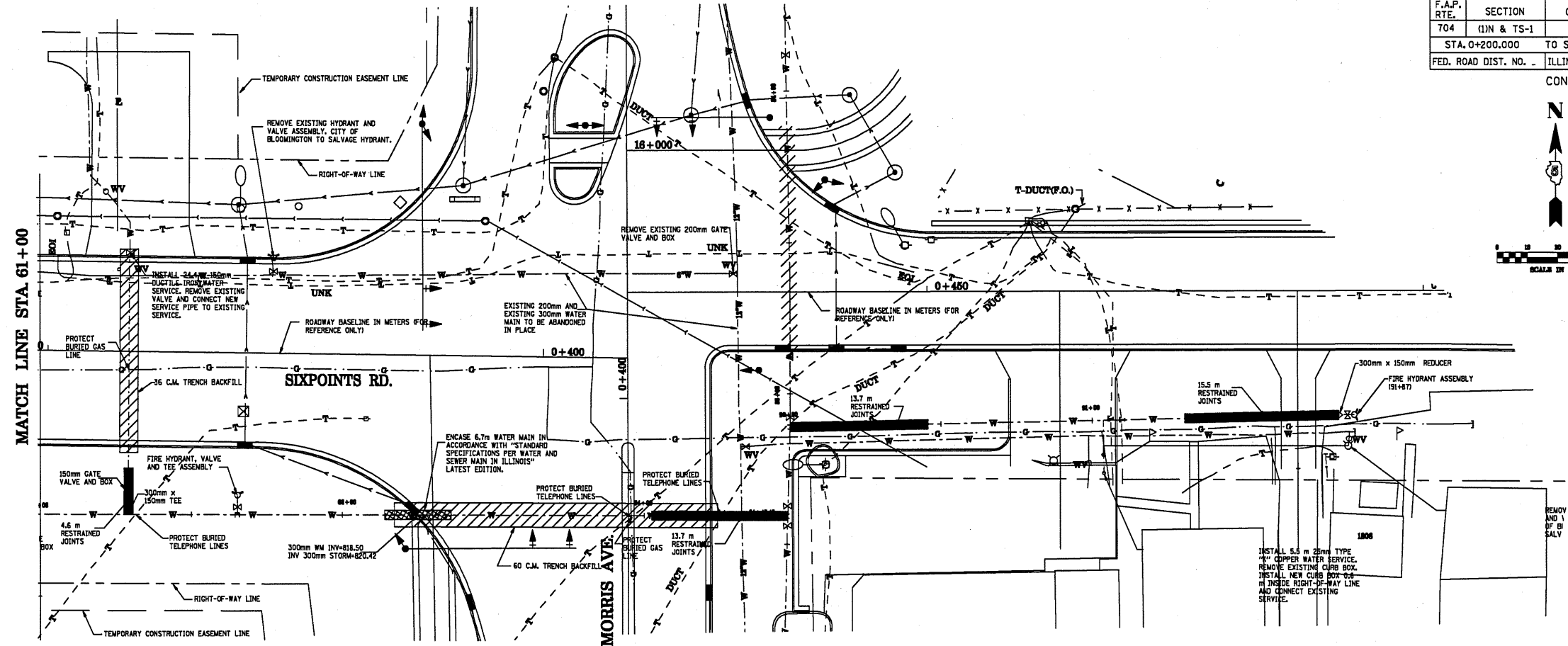
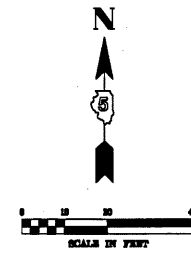


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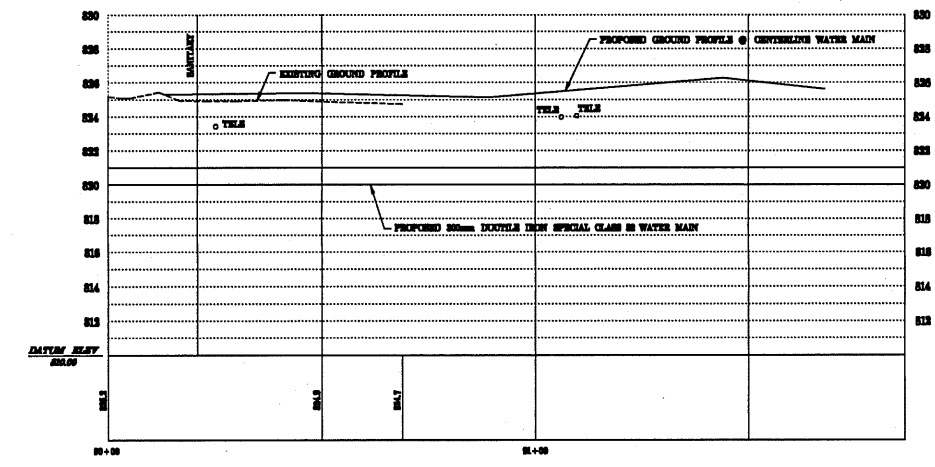
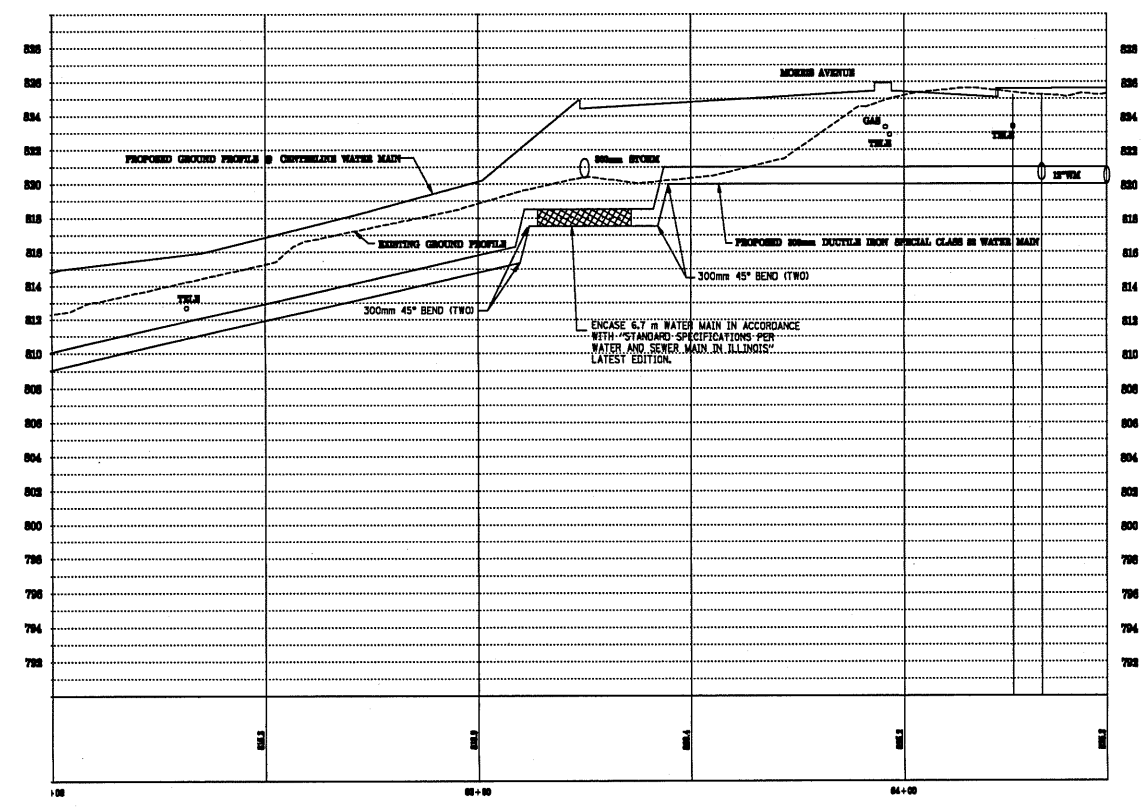
SIX POINTS ROAD, WATER MAIN, STA. 56+00 TO STA. 62+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	488
STA. 0+200,000		TO STA. 0+350,000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



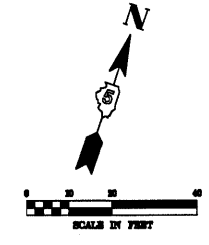
BY	DATE
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NOTE BOOK TEMPLATE	
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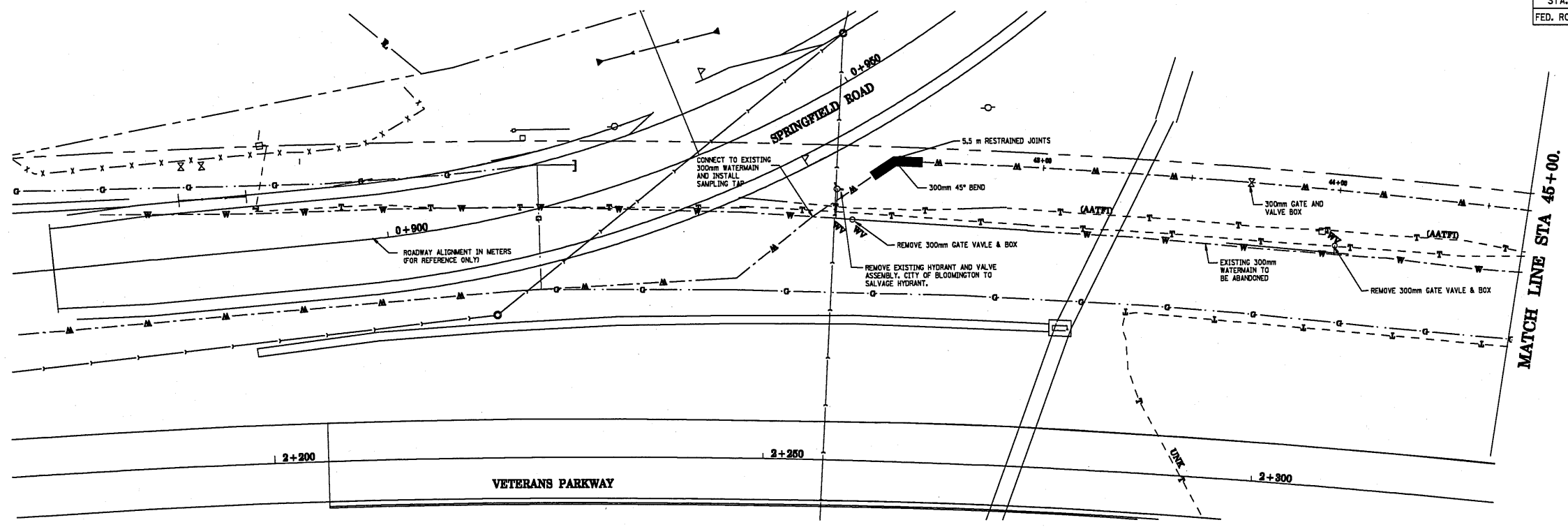


SIX POINTS ROAD - EAST - STA. 90+00 TO STA. 91+87

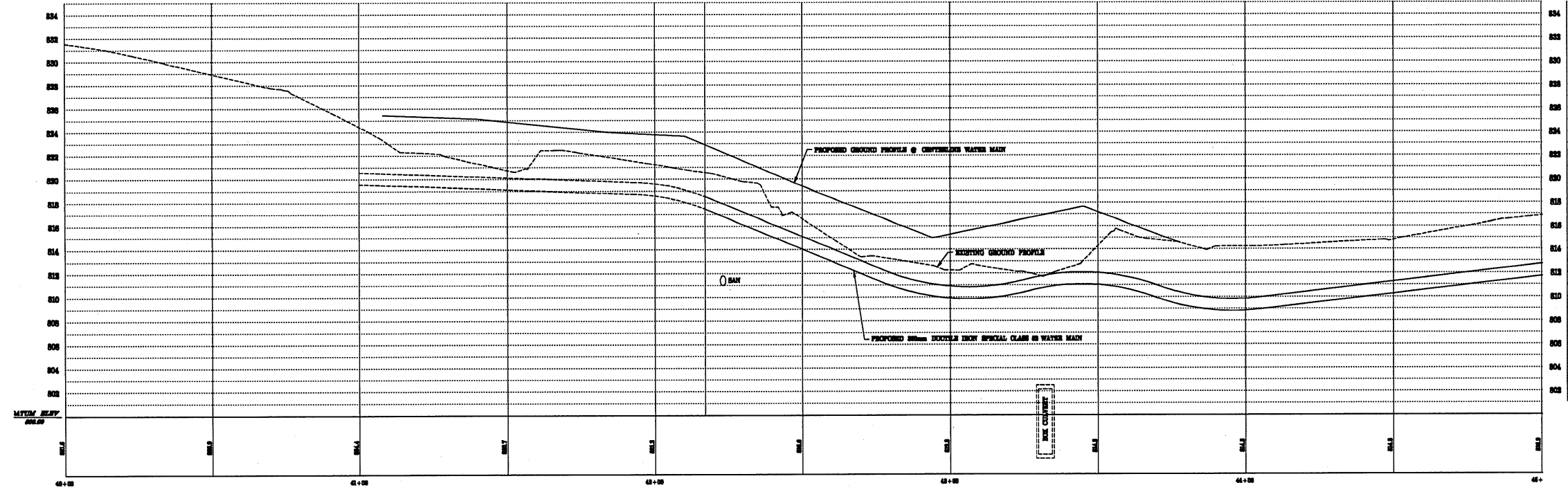
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(LN & TS-1	McLEAN	497	489
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



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FINAL SURVEY PLOTTED	
NOTE BOOK TEMPLATE	
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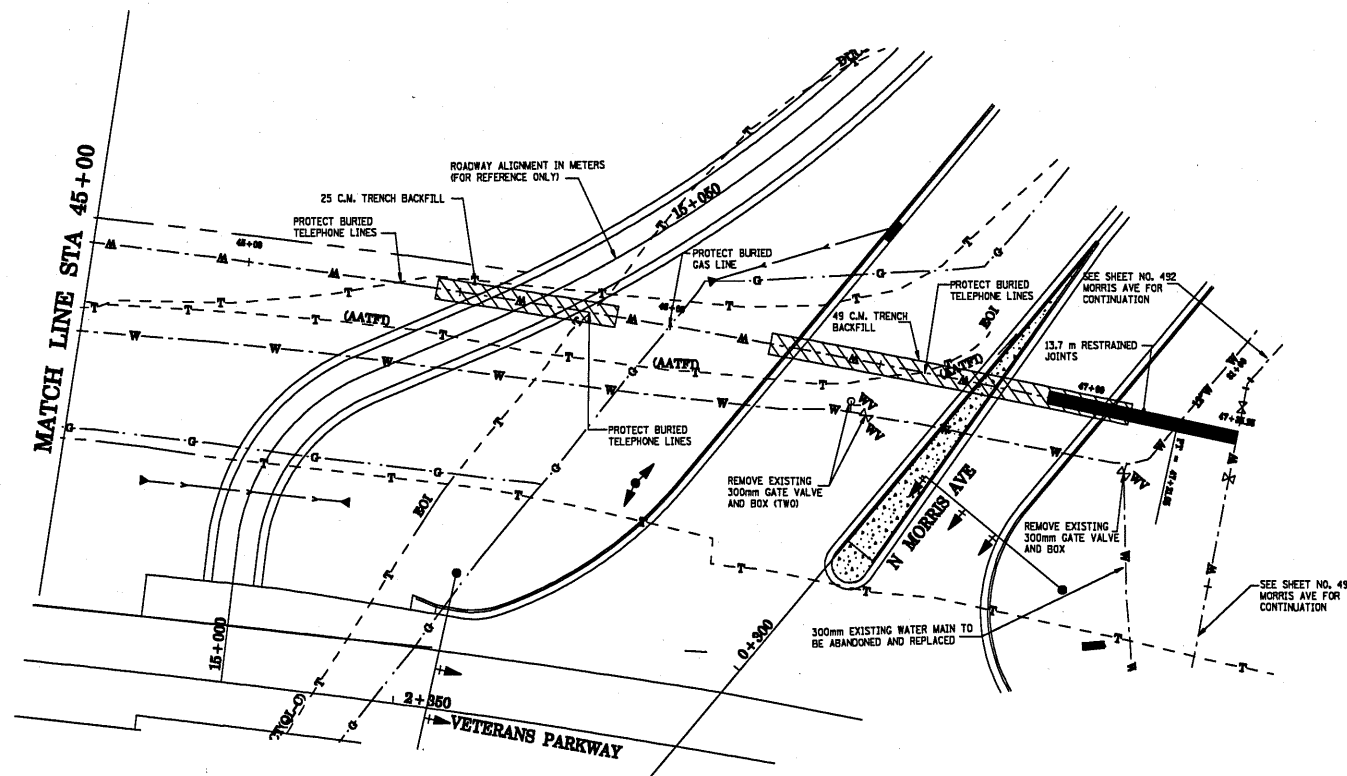
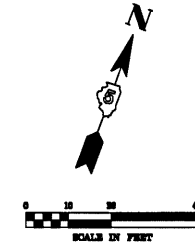


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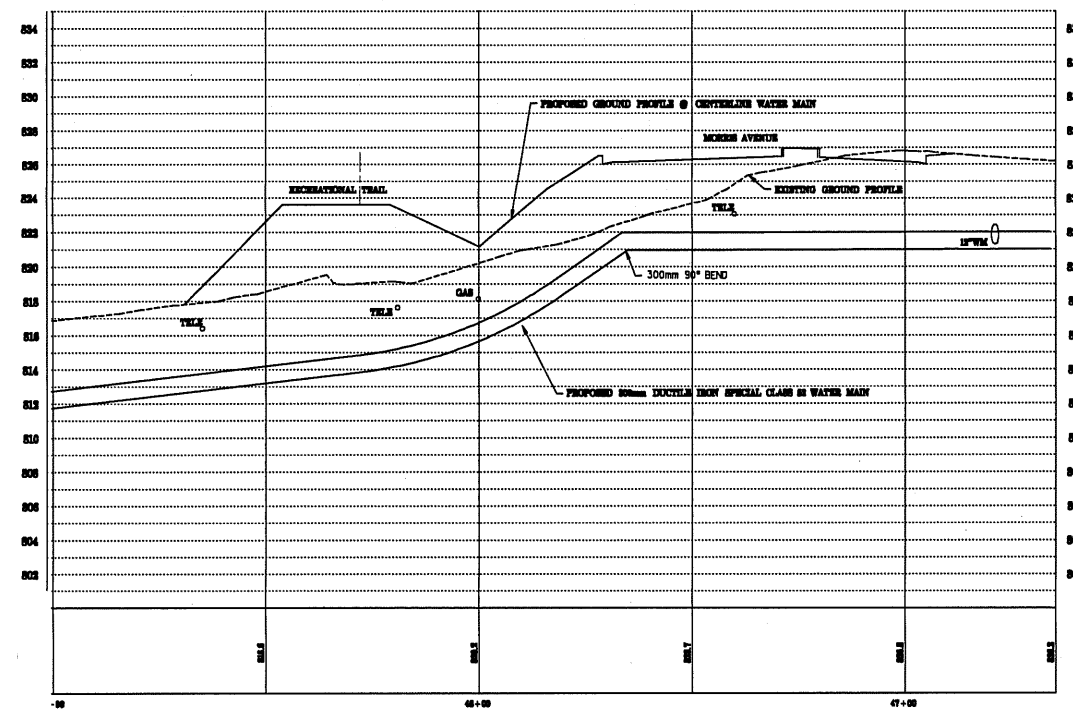
SPRINGFIELD ROAD, WATER MAIN, STA. 40+00 TO STA. 45+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	490
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



DATE	BY

FINAL SURVEY SURVEYED PLOTTED TEMPLATE NO. _____
NOTE BOOK AREAS CHECKED _____

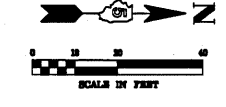


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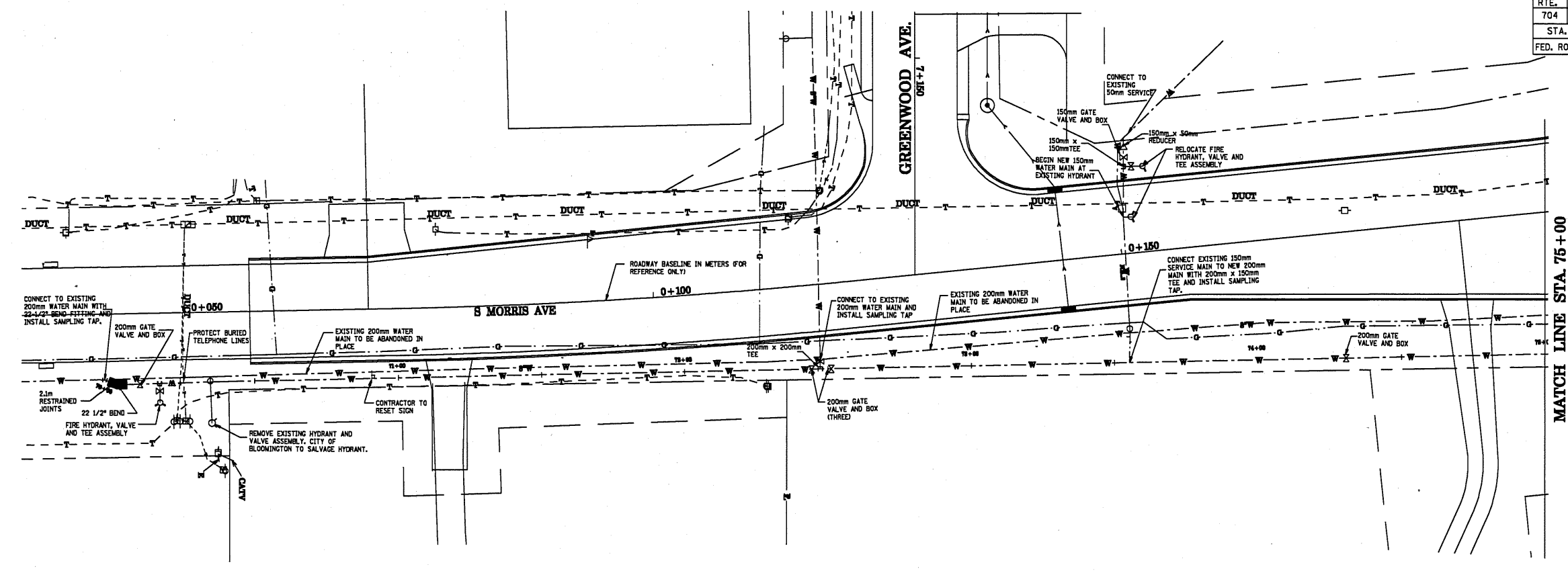
ORIGINAL SURVEY SURVEYED PLOTTED TEMPLATE NO. _____
NOTE BOOK AREAS CHECKED _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(LN & TS-1)	McLEAN	497	491
STA. 0+200.000 TO STA. 0+350.000				
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

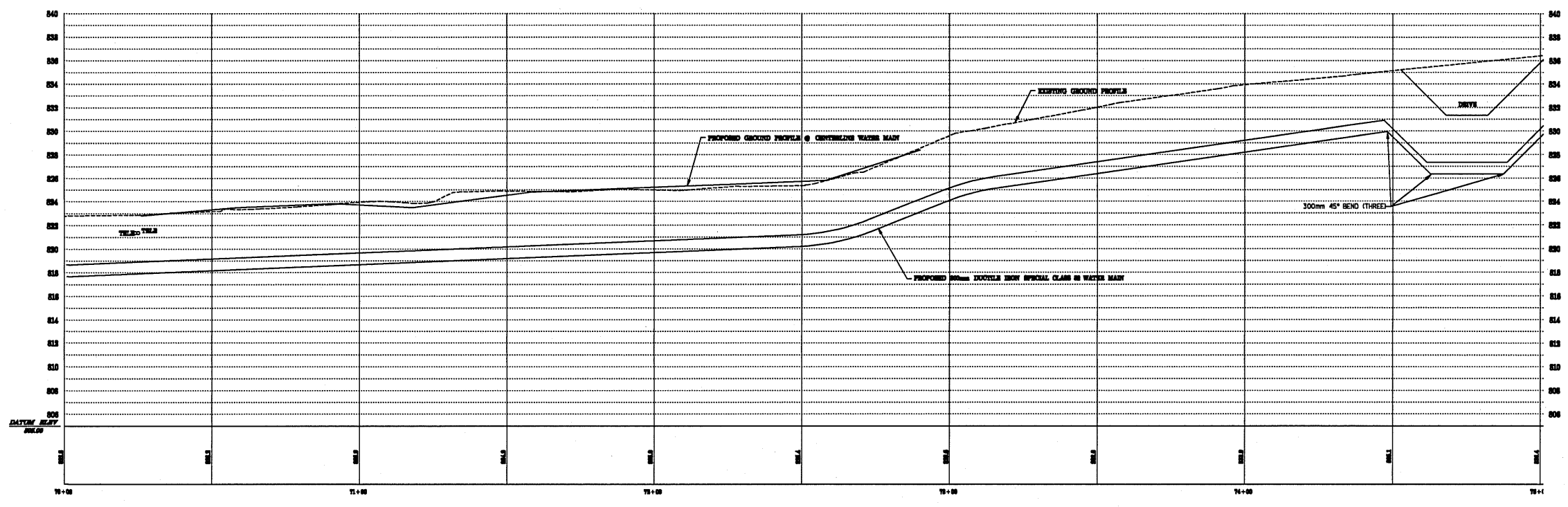
CONTRACT NO. 70514



BY	DATE

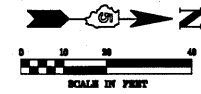


BY	DATE



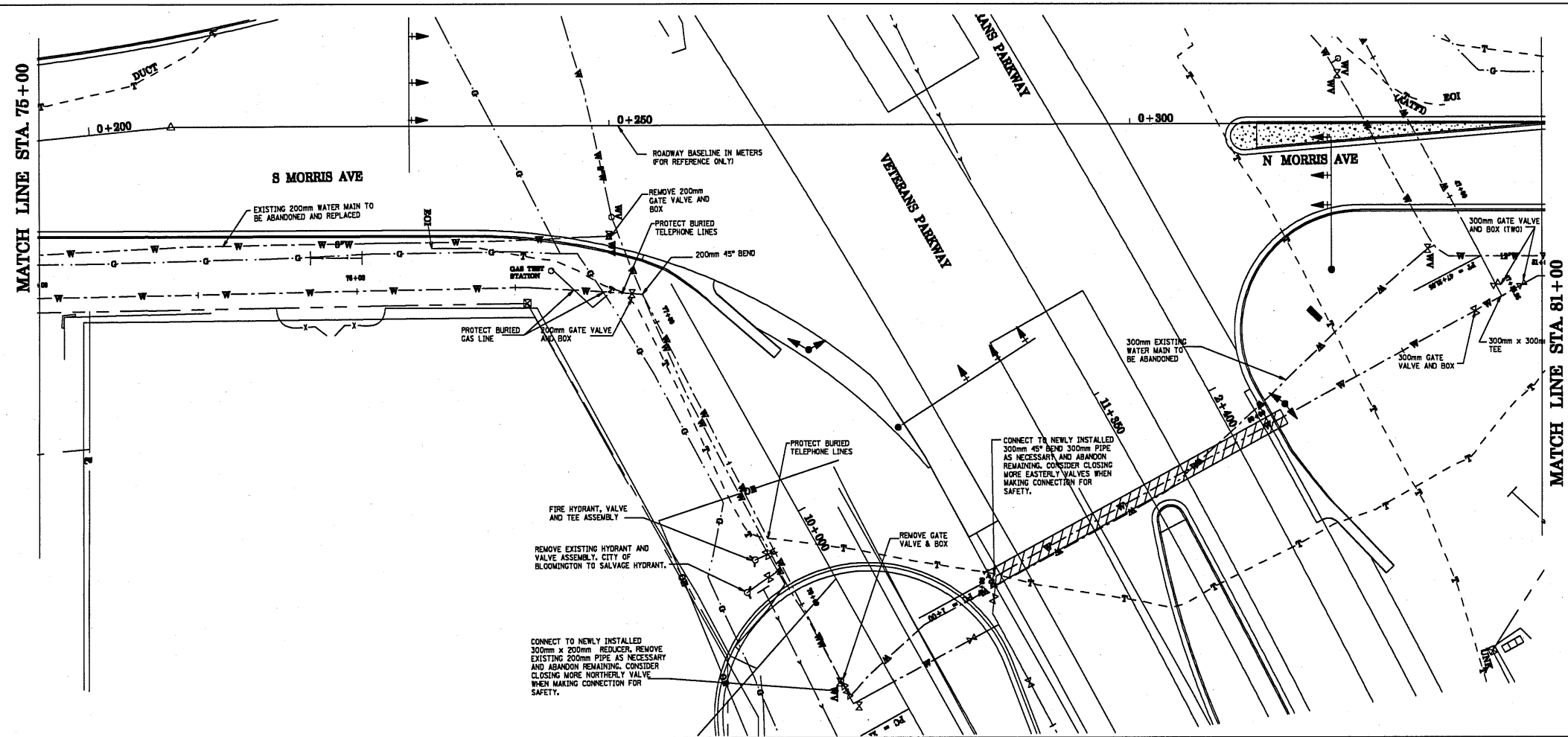
MORRIS AVE. WATER MAIN, STA. 70+00 TO STA. 75+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	492
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



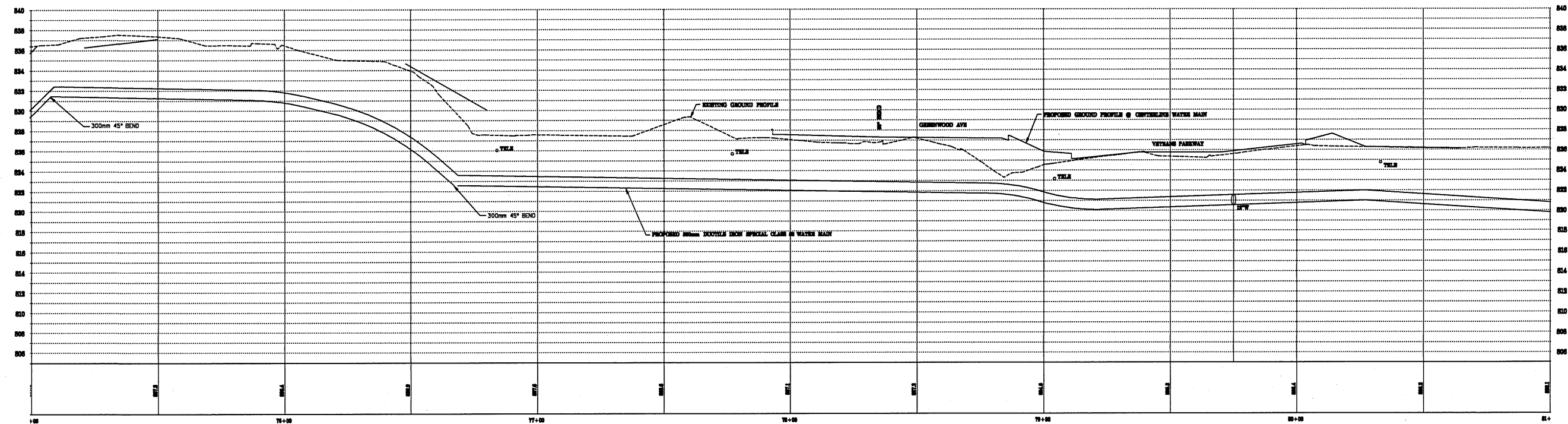
DATE	BY

FINAL SURVEY PLOTTED	DATE



DATE	BY

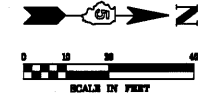
ORIGINAL SURVEY PLOTTED	DATE



MORRIS AVE. WATER MAIN, STA. 75+00 TO STA. 81+00

SIXPOINTS RD.

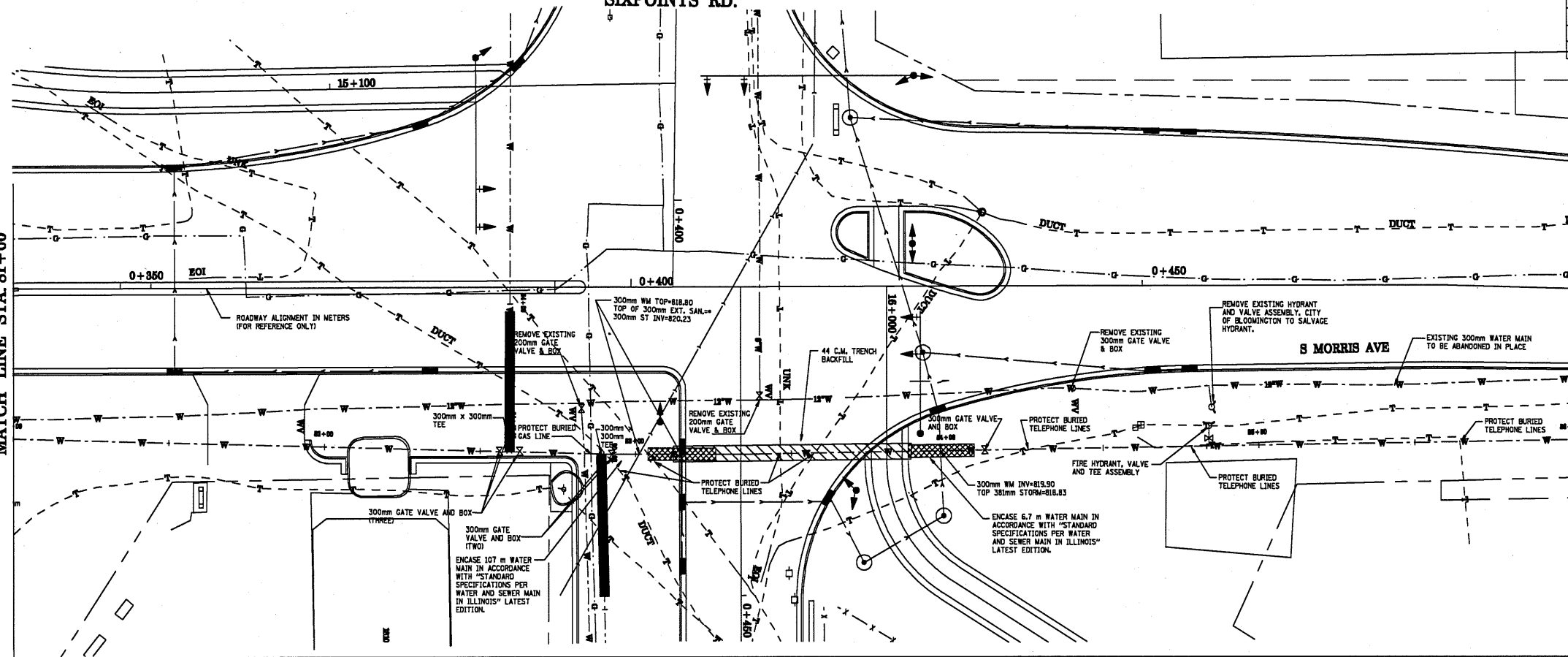
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	493
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



BY	DATE

FINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE NO. _____
AREAS CHECKED _____

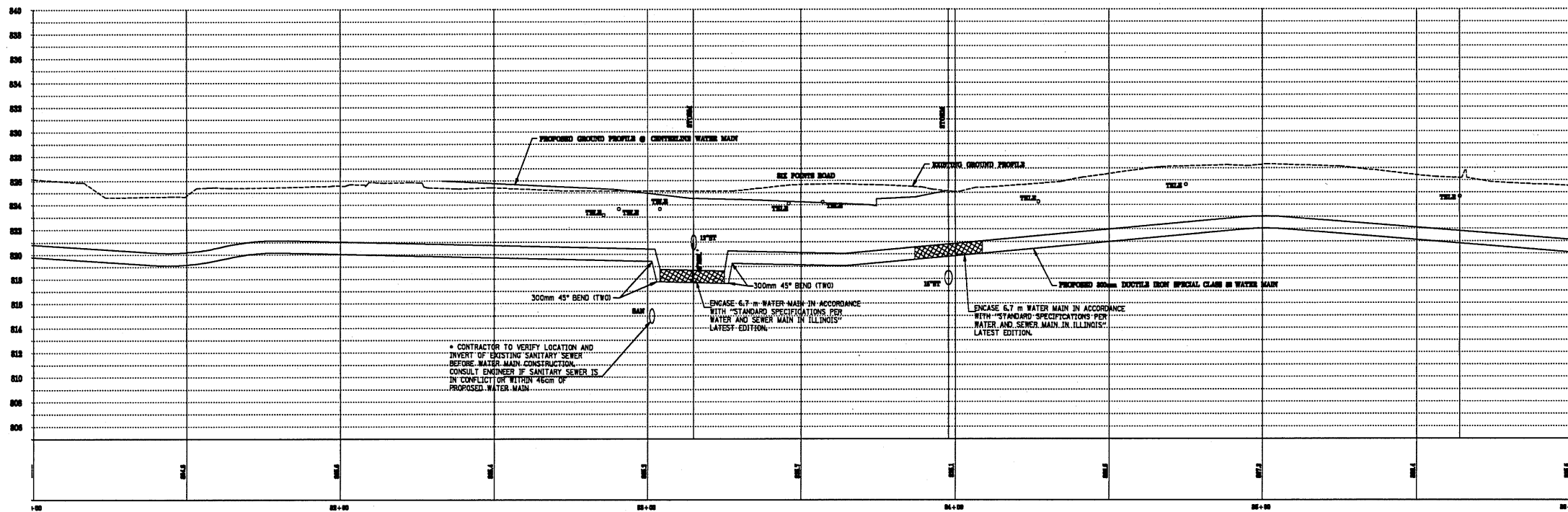
MATCH LINE STA. 81+00



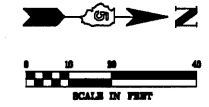
MATCH LINE STA. 86+00

BY	DATE

ORIGINAL SURVEY PLOTTED
NOTE BOOK TEMPLATE NO. _____
AREAS CHECKED _____

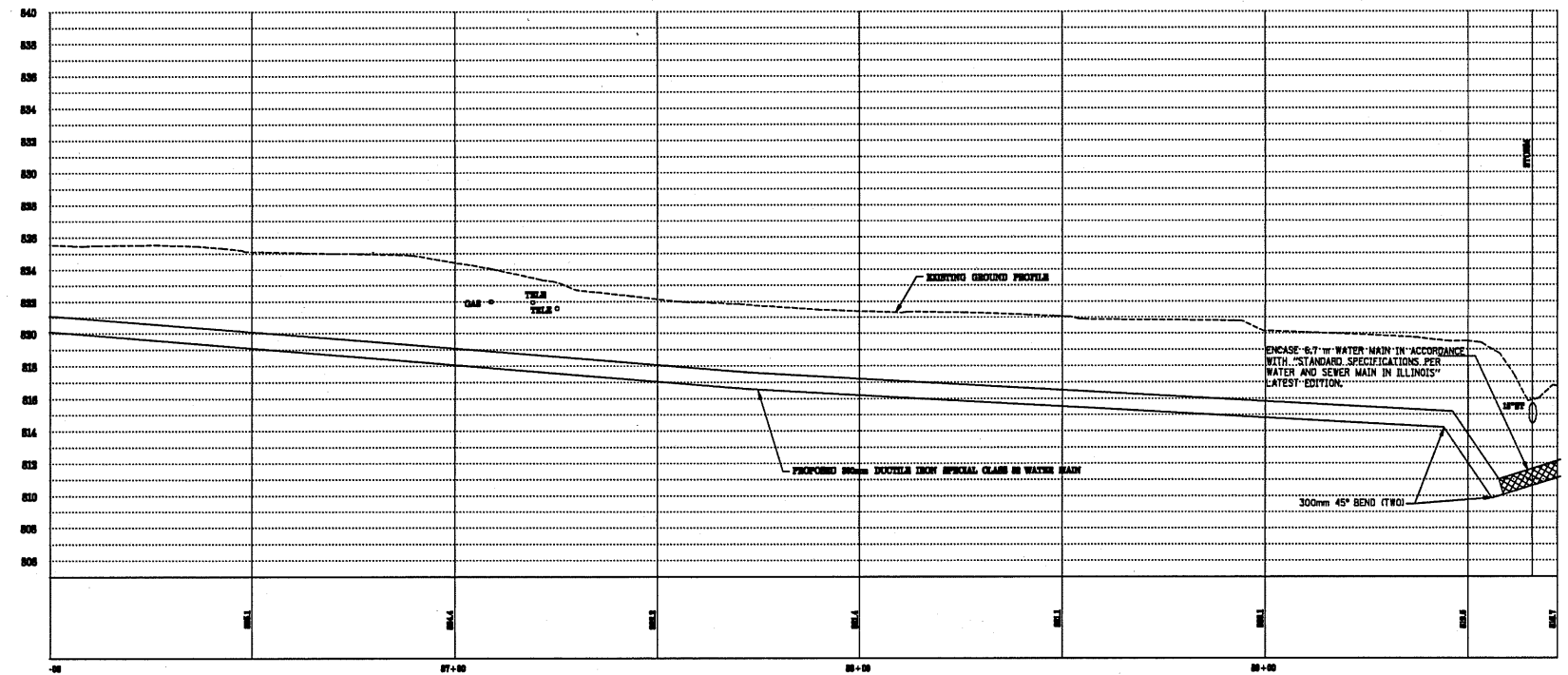
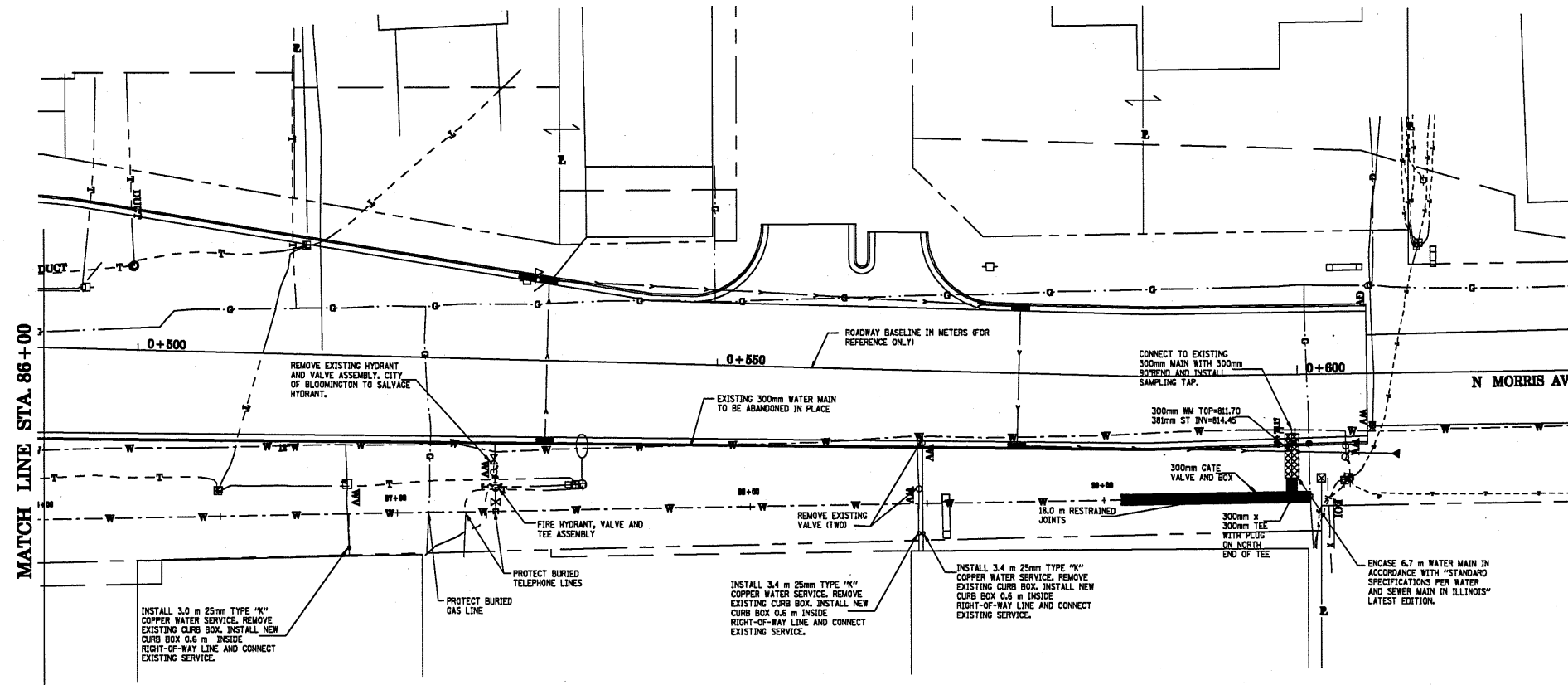


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	494
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70514				



BY	DATE

BY	DATE



MORRIS AVE. WATER MAIN, STA. 86+00 TO STA. 89+13.60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
704	(1)N & TS-1	McLEAN	497	496
STA. 0+200.000		TO STA. 0+350.000		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70514

GENERAL UTILITY NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH:
 - "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" FIFTH EDITION, DATED MAY, 2008.
 - IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
 - CITY OF BLOOMINGTON "SUBDIVISION REGULATIONS", ADOPTED AUGUST, 2006.
- VERIFY THE ELEVATION OF POSSIBLE CONFLICTING UTILITIES PRIOR TO CONSTRUCTING PROPOSED WATER MAINS. ANY CONFLICTS MUST IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION.
- ALL OPEN EXCAVATIONS SHALL BE PROTECTED WITH SAFETY FENCE, BARRIERS OR BARRICADES IN ACCORDANCE WITH OSHA.
- CONTRACTOR TO COORDINATE ALL UTILITY CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANIES.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF A WATER AND SEWER LINE IS TEN FEET (10'). THE MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF A WATER AND SEWER LINE IS EIGHTEEN INCHES (18'). WHEN A SEWER LINE CROSSES A WATER MAIN, A MINIMUM OF 18" SEPARATION IS REQUIRED PLUS THE REQUIRED ENCASMENT OVER OR UNDER THE WATER MAIN. SEE THE ABOVE REFERENCED "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS FOR ENCASMENT REQUIREMENTS AND FURTHER WATER & SEWER SEPARATION NOTES.
- THE CONTRACTOR WILL MAINTAIN A RECORD DRAWING SET WITH WITNESS DIMENSIONS TO ALL CONNECTIONS. THESE DRAWINGS WILL BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.

WATER MAIN NOTES:

- ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 4'-0" ABOVE THE TOP OF PIPE.
- ALL HYDRANT LEADS SHOULD BE 6" DUCTILE IRON SPECIAL CLASS 85.
- FIRE HYDRANTS, VALVES, TEES AND HYDRANT LEADS SHOWN IN THE PLAN DRAWINGS AS "FIRE HYDRANT, VALVE AND TEE ASSEMBLY" SHALL BE PAID FOR INDIVIDUALLY AS ENUMERATED IN THE SCHEDULE OF PRICES. 90% OF ELBOWS SHOWN IN THE PLAN DRAWINGS AS "PARALLEL MOUNT FIRE HYDRANT, VALVE AND TEE ASSEMBLY" SHALL ALSO BE PAID FOR INDIVIDUALLY.
- DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
- WATER MAIN TRENCHES AND WATER SERVICE UNDER EXISTING PAVEMENT AND SIDEWALKS SHALL BE BACKFILLED WITH TRENCH BACKFILL UP TO THE SURFACING SUB GRADE ELEVATION.
- A #12 THIN SINGLE STRAND ELECTRIC CABLE SUITABLE FOR DIRECT BURIAL SHALL BE INSTALLED ON ALL WATER MAIN. THE CABLE SHALL BE TAPED OR ATTACHED TO THE PIPE IN AN APPROVED MANNER DURING INSTALLATION AND PRIOR TO BACKFILLING. TWO FEET OF SLACK SHALL BE PROVIDED AT ALL VALVE BOXES AND FIRE HYDRANTS. THE SLACK SHALL BE WRAPPED AROUND THE VALVE BOX OR FIRE HYDRANT AT FINISHED GRADE.
- REFER TO SHEET C5.1 FOR ADDITIONAL WATER MAIN NOTES, INCLUDING SPECIFIC CITY OF BLOOMINGTON WATER MAIN MATERIAL STANDARDS.

TRENCH, BEDDING AND BACKFILL NOTES:

- TRENCH WIDTH REQUIREMENTS BELOW THE TOP OF THE PIPE SHALL NOT BE LESS THAN 18 INCHES NOR MORE THAN 18 INCHES WIDER THAN OUTSIDE SURFACE OF ANY PIPE, CONDUIT OR CABLE, AND SHALL BE THE LEAST PRACTICAL WIDTH THAT WILL ALLOW FOR COMPACTION OF TRENCH BACKFILL.
- TRENCH STABILIZATION MATERIAL, IF REQUIRED, SHALL BE CRUSHED ROCK OR OTHER APPROVED MATERIAL WITH 100% PASSING THE # 30 SIEVE AND 80%-85% PASSING THE # 40 SIEVE. THIS MATERIAL SHALL HAVE A MAXIMUM FREEZE-THAW LOSS OF 15% WHEN TESTED IN ACCORDANCE WITH LABORATORY TEST METHOD 51, METHOD C. THE PLASTICITY INDEX SHALL NOT EXCEED 4.
- ACCURATELY GRADE TRENCH BOTTOM TO PROVIDE UNIFORM BEARING AND SUPPORT FOR EACH SECTION OF PIPE ON BEDDING MATERIAL AT EVERY JOINT ALONG ENTIRE LENGTH, EXCEPT WHERE NECESSARY TO EXCAVATE FOR BELL HOLES, PROPER SEALING OR PIPE JOINTS OR OTHER REQUIRED CONNECTIONS. DIG BELL HOLES AND DEPRESSIONS FOR JOINTS AFTER TRENCH BOTTOM HAS BEEN GRADED. DIG NO DEEPER, LONGER, OR WIDER THAN NEEDED TO MAKE PROPER JOINT CONNECTION.
- PLACE TRENCH AND STRUCTURE EXCAVATION BACKFILL 18 INCHES OR MORE ABOVE TOP OF PIPE IN 6 INCH MAXIMUM LIFTS AND COMPACT TO 90% STANDARD PROCTOR DRY DENSITY (ASTM D998) IN UNSURFACED AREAS AND TO 90% STANDARD PROCTOR DRY DENSITY IN SURFACED AREAS INSTALLED A MINIMUM COVER OF 8 FEET OF COMPACTED BACKFILL ABOVE PIPE ENVELOPE BEFORE USING HEAVY COMPACTION EQUIPMENT.
- GRANULAR BEDDING AGGREGATE FOR WATER MAIN PIPE SHALL MEET THE FOLLOWING GRADATION:

SEIVE SIZE	1/2"	1"	3/4"	1/2"	3/8"	4"	8"
% PASSING:	100	85-100	60-100	20-65	10-65	0-30	0-8
- GRANULAR TRENCH BACKFILL SHALL MEET THE FOLLOWING GRADATION:

SEIVE SIZE	1"	3/4"	4"	8"	30"	30"
% PASSING:	100	85-100	30-75	10-60	15-40	0-30
- HAND PLACE AND COMPACT BACKFILL MATERIAL TO 18 INCHES ABOVE TOP OF PIPE TO 90% STANDARD PROCTOR DRY DENSITY (ASTM D998) IN SURFACED AREAS AND TO 90% STANDARD DRY DENSITY IN UNSURFACED AREAS.
- ALL TRENCH BACKFILL IN TRENCHES SHALL BE JETTED.

IDOT STANDARDS

- 70304-02-LANE CLOSURE, 2L, SW, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH.
- 70302-04-URBAN LANE CLOSURE, 2L, SW, UNDIVIDED.
- 70302-04-TRAFFIC CONTROL DEVICES.
- 70401-04-LANE CLOSURE MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH.
- 70302-04-URBAN LANE CLOSURE, MULTILANE, TW OR 2W WITH NONTRAVERSABLE MEDIAN.
- 70701-04-URBAN LANE CLOSURE, MULTILANE INTERSECTION.

SURFACE RESTORATION NOTES:

- ALL DISTURBED AREAS NOT PAVED OR HARD SURFACE ON THE SITE SHALL RECEIVE TOPSOIL AS NECESSARY TO ESTABLISH GROWTH OF GRASS. UTILIZING EXISTING TOPSOIL SHALL BE AN ACCEPTABLE METHOD OF SURFACE RESTORATION, PROVIDED THE CLAY CONTENT OF THE SOIL IS NOT SUFFICIENTLY HIGH TO PREVENT GROWTH. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION OF THE SUITABILITY OF THE ON-SITE SOIL. SCARPED AREAS TO RECEIVE TOPSOIL TO A DEPTH OF 4". REMOVE ALL STONES, WOOD AND OTHER DEBRIS LARGER THAN 4" FROM AREAS TO RECEIVE TOPSOIL. DO NOT COMPACT TOPSOIL.
- ALL DISTURBED YARD & LAWN AREAS SHALL BE SEEDING ACCORDING TO I.D.O.T. ARTICLE 90 USING CLASS 1 OR CLASS II MIXTURE AS APPROPRIATE FOR THE CONDITIONS.
- SEEDING AREAS SHALL BE MULCHED IN ACCORDANCE WITH I.D.O.T. ARTICLE 90, METHOD 1 OR METHOD 2.
- SODDING OR HYDRO SEEDING SHALL BE CONSIDERED SUITABLE ALTERNATES.
- THE COST FOR SURFACE RESTORATION SHALL BE INCLUDED IN THE COST FOR THE VARIOUS WATER MAIN PAY ITEMS.
- COST FOR PAVEMENT REPAIR SHALL BE INCLUDED IN THE COST FOR THE VARIOUS WATER MAIN PAY ITEMS.

UTILITY NOTE:

THE LOCATIONS OF UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS PLOTTED ON THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC. AND AS MARKED IN THE FIELD ALL MADE PART OF THIS SURVEY. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS NOT KNOWN TO SHIVE-HATTERY, INC. AND NOT SHOWN ON THIS DRAWING.

PAVEMENT NOTES:

- THE CONTRACTOR SHALL REPAIR THOSE PAVEMENT AREAS IN THE ROADWAY EXCAVATED OR DAMAGED AS A RESULT OF WATER MAIN CONSTRUCTION OPERATIONS. SUCH WORK SHALL BE IN ACCORDANCE WITH ARTICLE 462. THIS OPERATION SHOULD ALSO INCLUDE APPLICATION OF PRIME COAT PRIOR TO PLACEMENT OF HMA, PAID FOR AS A SEPARATE PAY ITEM. THE HMA MIXTURE COMPOSITION UTILIZED FOR PAVEMENT PATCHING SHALL BE SURFACE COURSE, MIX'D, N/A. PAVEMENT PATCHING SHALL BE FLUSH WITH THE EXISTING ROADWAY SURFACE.

EXISTING LEGEND

	CURB DUCT
	STORM MANHOLE
	FIRE HYDRANT
	WATER VALVE
	POWER POLE
	DOWN GUY
	SIGN
	UNDERGROUND ELECTRIC
	STORM SEWER
	WATER MAIN
	SANITARY MANHOLE
	CONIFEROUS TREES WITH DIA.
	DECIDUOUS TREE WITH DIA.
	BURN WEDIA.
	TELEPHONE PEDESTAL
	STREET LIGHT
	CLEAN OUT
	WATER VALVE
	GAS METER
	GAS VALVE
	CABLE PEDESTAL
	GUARD POST
	YARD LIGHT
	CHAINLINK FENCE
	WOOD FENCE

PROPOSED LEGEND

	WATER MAIN
	WATER VALVE
	FIRE HYDRANT
	ASPHALT PAVEMENT REPLACEMENT
	CONCRETE PAVEMENT REPLACEMENT
	GRAVEL PAVEMENT REPLACEMENT
	WATER MAIN ENCASMENT WITH RESTRAINED JOINTS
	RESTRAINED WATER MAIN

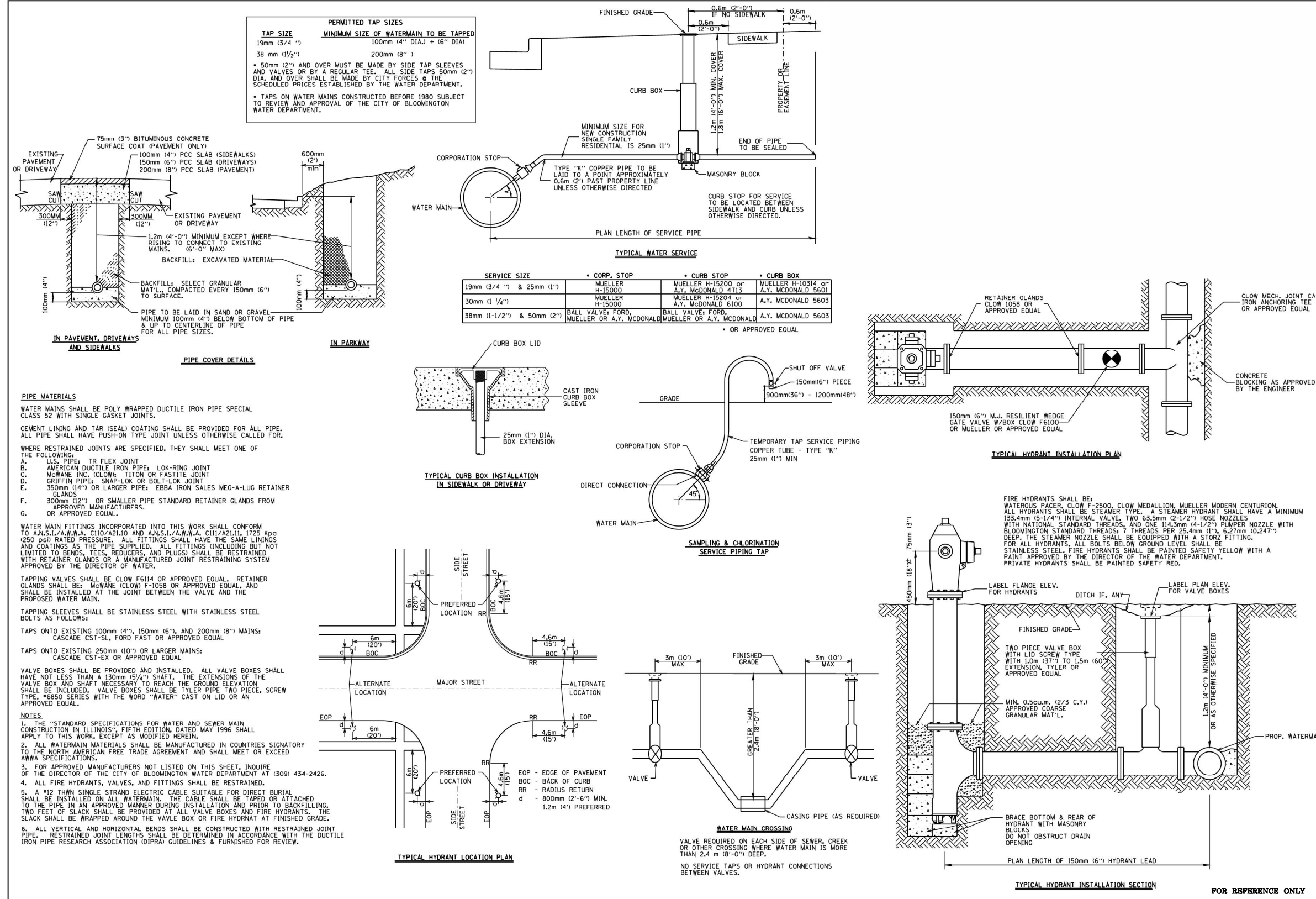
BEFORE DIGGING CALL J.U.L.I.E. AT 1-800-892-0123

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ORIGINAL SURVEYED SURVEY PLOTTED NOTE BOOK TEMPLATE AREAS CHECKED	
NO.	



CITY OF BLOOMINGTON
PUBLIC WORKS DEPARTMENT



SCALE NONE

APPROVED BY: DATE:

DESIGN BY: COB PUBLIC WORKS REVISED: 12/28/2009 T.J.M.
WATER MAIN STANDARDS
GREENWOOD AVENUE WATER MAIN REPLACEMENT

SHEET
C5.1